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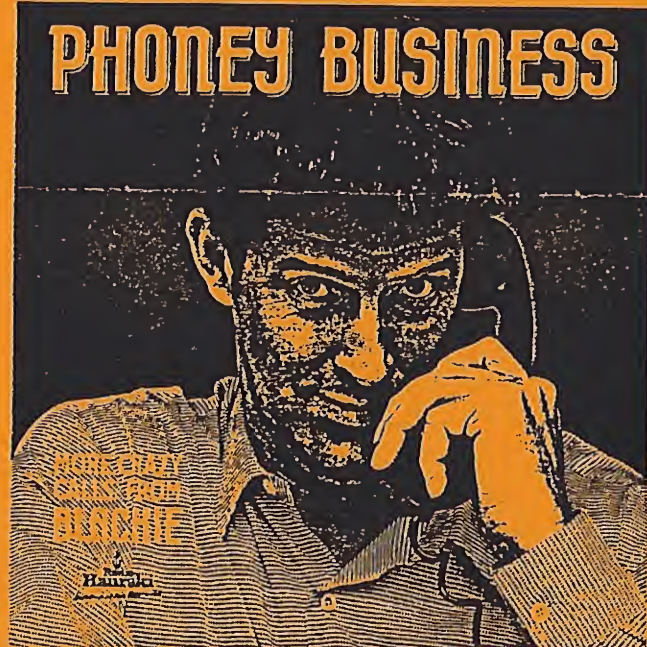
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THE magazine for free radio enthusiasts.....

« FRS * GOES * DX »

Issue Number 105/106

Verantw. uitg.: P.Vervoort**Verschijnt maandelijks**22-4-91

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24

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FRS GOES DX INFO

COLOPHON

FRS GOES DX' is a monthly magazine which informs about radio in general and free radio in particular. It is a publication of FRS-Holland, an independent short wave station.

SUBSCRIPTIONS

An annual subscription costs DM 25.00 / £ 8.00 / f 25,- (Europe) or US\$ 18.00 (outside Europe). Payments are accepted * in cash / * by eurocheque made out in Dutch guilders / * by postal order. Sample copies cost 3 irc's / 3x DM 1.00 German stamps / 4x75ct Dutch stamps / £ 1.00 in cash / US\$ 2.00 .

MAILING ADDRESS

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For full or half page advertisements please contact the editor. Small ads: non-commercial adverts are free for members. Commercial adverts (small) cost DM 3.00 / £ 1.00 / f 3,- / 3 irc's / US\$ 2.00 .

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NEXT EDITION will be published:

May 24th 1991

DEADLINE FOR CONTRIBUTIONS:

May 14th 1991

RENEWAL OF SUBSCRIPTION

☐ This is your last issue on account of your current subscription. You are kindly asked to send your renewal without delay in order to be assured of receiving the next issue.

EDITORIAL

Welcome in the March / April edition of 'FRS Goes DX'. As we had a lot of news it was decided to bring out a 40 pages issue (!!) to make sure none of the current newstems or the features had to wait till the next time.

The big news came this time from Radio Caroline with an unexpected but very brief satellite adventure. Fri April 12 Caroline signed off. A detailed report in this issue. As far the SW are concerned: lots of loggings but also interesting news. A special feature on the relatively new station Peace in Action. Talking about features: we have excelled ourselves because this issue contains further features about radio on satellite, the Dutch popmusic radio-station Radio 3 and Contact 94 FM in Normandy, France. The next part of the very interesting Mark Stafford Story completes the features. In short: boundless reading pleasure !!

It seems that various people still do not know that the annual subscription price has been raised!! Please pay the correct amount of money, it saves us needless time to inform those people. Good news as far as FRS-Holland is concerned: following the March trm we'll be on air in April & May. For more detailed info I refer to FRS Newscorner. This issue contains an extra page of FRS Sales Productions. It's a supplement but we felt it was best to staple it to comply with the Belgian RTT regulations. It was intended to publish this issue a week before the April 21st trm but unfortunately I became ill. For that reason it was impossible to inform you about the April trm. But no doubt you will find us somewhere in the 48 mb with a nice signal...Enjoy yourself !!

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«FRS Newscorner»

Well, there we are again with a new edition of the 'FRS Newscorner'. Let's start with something which has to be done because the last time we published it was (too) long ago. So here we go.....**WELCOME IN OUR CLUB :**

1) Bjarne Vestesen	-	Egtved	-	Danmark
2) David Dew	-	Stourbridge	-	England
3) H. Schuurman	-	Bathem	-	Holland
4) S. Gomez	-	Fraga	-	Spain
5) Jörg Hedtmann	-	Hagen	-	Germany
6) Peter Witten	-	Struer	-	Danmark
7) Wolf Brundtke	-	Berlin	-	Germany
8) Peter Wollert	-	Kiel	-	Germany
9) Steven Willers	-	Basel	-	Switzerland
10) Chris Regan	-	Malvern	-	England
11) Nico Grubben	-	Maasbree	-	Holland
12) Bruno Pecolatto	-	Toriono	-	Italy
13) Rune Haaland	-	Egersund	-	Norway

March saw the first 1991 broadcast of FRS-Holland. We had no other choice than using 7290 kHz which is a very clear channel. But it remains a fact that this isn't the most known frequency among DX-ers. Signal-strength was fair, modulation was good and we received a fair number of reception reports. Generally speaking most of the reporters had an O=3 which is not bad but also not particularly good. Programmes started too late because of problems (technical) at the location. As you read this the April transmission is already history. Provided everything went o.k. So either you missed the following programmes or you will hear them next Sun, April 28th (in case something went wrong on the 3rd Sun):

- 10.54 Opening: Station ID's & Theme tune
- 11.02 German Service- Johnny Best
- 11.45 FRS Goes DX- Peter Verbruggen/ Mark Stafford
- 12.30 The Short SW Parade- Joop ter Zee
- 13.15 The Mark Stafford Show
- 14.00 Close Down.

All times are mentioned in CEST. That means that pxs commenced one hour later than usual. A 48 mb frequency was being used. The 3rd Sun in May will bring the complete and successful FRSH programming. Also in May we'll be in the 48 mb.

- 09.54 Opening: Station ID's & Theme tune
- 10.02 FRS Magazine- Peter Verbruggen
- 10.45 FRS Golden Show- Joop ter Zee
- 11.15 FRS Goes DX- Peter Verbruggen
- 12.00 German Show- Johnny Best
- 12.45 I.L.L.S.- Gerd & Peter
- 13.15 The Short SW Parade- Joop ter Zee
- 14.00 Mark Stafford Show.
- 15.00 Close Down.

Some programme news: as from now on Mark Stafford will be running a regular Satellite Radio feature in his own programme. It could be that this item is going to be included in the DX-Show. JB also runs interesting radio-related topics in his show. Worth while to listen to! Some of the USA voice-overs have been remixed and a few new FRS promos are to be recorded. They will be introduced in the month of May. Good Dx-ing and drop us a line !!

See also page 10 where this column is to continued !!



SOUNDS FROM OFFSHORE

At a moment you doubt whether there is any interesting news about Caroline which could be of interest to be published in this column, some very unexpected developments take place.... A strange (but exciting) radio world we live in, isn't it ?? Already in March one of our readers who's always had good contacts with the people running Viewpoint, received a letter from Mr. Smythe who used to represent the vicars who formed the Viewpoint group. As most of you will know, Viewpoint was to be heard on Caroline in the evening hours. Mr. Smythe announced in his letter the return of the religious pxs on the radio via a audio-subcarrier on the Lifestyle transponder which is on the Astra 1A satellite. The letter said pxs would commence every evening at 17.00 UTC = 18.00 BST. Programmes would be run via Nova Power FM. Nova has leased an audio-subcarrier till the end of May of this year. It was no secret that Nova was no success in financial respect. And a good alternative to make at least some money was to offer the religious organisations the possibility to 'do it' on satellite. There were even rumours that Nova's financial position was so bad that an adjudication order would be issued. But there were more developments to come. March 24th we heard much to our surprise that Chris Carey had decided to close down Nova and instead offer the Caroline organisation free airtime on the Nova transponder, the same transponder on which the religious would take place under the name 'Insight 738'. Plan was to record the pxs on the Ross on videorecorders. The signal would be transmitted to the Astra satellite via a groundstation based in Camberley, Surrey. Here are also Nova's studios located. Fact is quite some people thought the whole satellite story was nothing else than a April 1st joke. However, they didn't have much time to consider the situation. Tuesday March 26th the news reached us that tests already had begun !! These tests contained non-stop music interspersed with classic Caroline jingles from the past. At 19.00 CET Club Music took over (at this point no Insight 738 tapes). Friday March 29th no classic Caroline jingles anymore but non-stop music interspersed with an announcement saying in which was said that it was a Radio Caroline broadcast. At 19.00 CET once again Club Music and no vicars. Easter Saturday March 30th the 'format' was just like the day before. The real thing had yet to come....

Easter is always a special weekend for Radio Caroline. It was Easter Saturday March 28th 1964 at 12.00 British time that the station officially commenced popmusic pxs to the Western European audience. This year Caroline commemorates its 27th birthday. The plan was- and we at 'FRS Goes DX' knew it already 10 days earlier-to have a special Caroline Tribute programme on short wave on 7558 khz. The px was recorded by Nigel Harris (on behalf of the whole Caroline organisation). Thursday March 28th the news was also on Radio Netherland's 'Media Network'. In the same programme it was Herbert Visser who made mention of Caroline's official start on satellite on Easter Sun March 31st at 12.00 BST = 13.00 CEST. Coincident or not, Caroline would be broadcasting on satellite and on SW Easter Sun! At 11.00 CEST SW programming started indeed on 7558 with a good signal in most of W-Europe. Sign-off was at 14.00 CEST (a direct studio-copy of the master-tape is available via FRS Sales Productions). And now back to the satellite happenings. At 09.38 CEST a signal came on....

the Life Style audio-transponder. After a few moments of silence 'The Legend lives on' was played. Following a number of announcements programmes officially commenced at 10.06 CEST by Keith Lewis. One magazine said this was no-one else but Chris Cary. We think it was not him since Chris Cary was at that very moment in Spain. It was no pre-recorded taped show since it was live. People were invited to call the station at (0276-692040) and many listeners did so. Keith Lewis was on till 15.00 hours. As you'll understand the programme came live from the Nova studio building. Must have been a luxury for the Caroline people.... In his programme Keith Lewis told the listeners that he had been on the Ross the day before to have a look on the ship and to collect some stationjingles. He added the Ross was in a bad condition and that life on the ship was all but luxurious and besides he told that satellite signal was relayed via a number of UK SW stations.

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Just after 10.30 people could call Caroline. Almost immediately after the the number was mentioned, 17 out of 24 available lines were engaged! This means there must have been quite a number of listeners. The fact Caroline was on satellite must have spread like wildfire. Keith also mentioned that Nova had never received so much calls at one time during its satellite period. Later on in the programme a second number was mentioned being (0836-404504) because the other number was totally blocked. AS already said, Keith finished his show at 15.00 after having played the Caroline tune by The Fortunes three times. Till 17.28 CEST there was non-stop music without jingles. The rest of the times was filled by a familiar Ross Revenge voice: Colin Mueslibar. He told the listeners that this indeed was the real Caroline. At precisely 18.00 CEST Caroline signed off after a first exciting

day on satellite. Easter Monday April 1st pxs were commenced at just after 10.30 CEST (why such strange times?) and this time it was Chris Adams behind the microphone till 12.15 when Rico took over. Chris told the audience his show was taped in a brandnew studio aboard the Ross Revenge and he referred to the fact Caroline was the world's first space pirate. Because we from 'FRS GoesDX' do not have satellite reiving equipment ourselves we can't give that many details about the following two weeks. We heard that it was very exciting radio in ofcourse perfect mono quality and NOT stereo as claimed by some people: Caroline made use of the 7.56 MHz audio-subcarrier and did not use the 7.38 MHz as well to create stereo.

On Saturday April 12th we got two phonecalls from different people both telling us the same: Caroline had suspended its satellite trms that previous Friday evening at 24.00 (CEST or BST??). From what was told to us, the last two evenings there had been lengthy and very heart-to-heart discussions in the studio. Two things are worth mentioning: Caroline was also broadcasting during the evening hours and these evening programmes were live and not pre-recorded on the ship. We know that during the last evening-Friday- Rico, Chris Adams & John Burch were in the studiobuilding and that Peter Chicago was involved via the phone. Also Chris Carey called from Spain. It appeared that there were two viewpoints: Peter Chicago still thinks there is an offshore future for the station while the others don't see the point of any future offshore trms. Once again: it were very interesting discussions in which things were said which would never been said on the ship. So why an end on the Caroline satellite adventure while there was free airtime till the end of May ?? The story goes that Chris Cary was willing to buy up the name Caroline or Caroline as a station. To what extend he was willing to push himself forward as far as important decisions are concerned is not certain. Fact is he was willing to invest money in the station but Ronan O'Rahilly, Peter Moore and Peter Chicago refused. It was also said that Cary wanted to buy certain Caroline people (O'Rahilly?) out. Ofcourse the name Caroline has a lot impact; much more than for instance the name Nova. Not because Nova is/ was a bad station. Certainly not. Caroline has a much longer history and has covered much wider areas in its broadcasting life which implies Caroline is known to a much larger audience. In that respect it's imaginable that Cary indeed was willing to take over the station! But when investing new money he also wanted to have the Ross Revenge and had the plan to take her to a scrapyard. Another thing which matters is that the Life Style audio-subcarrier was leased till the end of May. From what we know Life Style is willing to concentrate more on Europe and that could mean that the future pxs of this TV station have to be broadcasted not via one but a number of audio channels (on each one a different language!). So there's a very good chance that Chris Cary cannot make use of 'his' audio-subcarriers after May 31st simply because Life Style needs them themselves. Question: why taking over a station when knowing the contract with Life Style won't probably be extended. In the next issue we certainly have some more (detailed) info with regard to this interesting story. By then we hope (and think) to have taped copies of that memorable Friday evening April 12th 1991. Another chapter in Caroline's history is closed or has it only just begun...??

Apart from the Caroline satellite story there are strong rumours that Radio Carolineplans to return soon via a SW outlet. Leasing airtime from legal stations or...?? Keep an eye on the SW bands in the coming weeks. Perhaps you will catch the station, provided these rumours are true. Another good way to keep yourself informed is tuning in to Jonathan Mark's 'Media Network' every Thursday on Radio Netherlands WorldService (5955, 9895, 13770, 15560, 17575, 17605 & 21685 kHz. The px is broadcasted every three hours and starts at 7 minutes before the top of the hour.

Ross Revenge Support Group

This is a new club of people aiming to stimulate the maintenance of the Ross Revenge via receiving donations. Up till now enough money did come in to carry out work on the ship which hadn't been done for a long while. First purpose is getting the steering-gear and the motor of the ship in a working condition. Alos a 25 kVa generator will be achieved to supply the lightning system and other equipment on the ship with the so vital electricity power. Finally there seems to be enough money to deliver enough oilsupplies for a long period (several months). The address of the Ross Revenge Support Group is 25 The Meadow, Chislehurst, Kent BR7 6AA in England.

In the near future the lawsuit from Neil Gates versus the DTI will be taking place. It depends on the judgement whether the owner of the Ross will also institute legal proceedings against the government bodies who were involved in the 1989 raid.

NEW: CAROLINE ON CD !!

At last on CD: Radio Caroline. Dutch offshore insider Hans Knot, who also is a major contributor to 'FRS Goes DX', edited and compiled & produced this unique CD. Wednesday March 27th the mastertape went to the recordcompany. Narrator is former offshore personality and current RTL-4 TV presenter Marc Jacobs. Remember him from his famous live 'Baken 16' pxs aboard the MV Mi Amigo... It was not the intention to compile a survey of all historical happenings in the life of Caroline. For this has already been done several times on all kinds of albums. Nor it was intended to put all Caroline jingles on CD. The real purpose was to give the listener an impression how the station sounded through the years. The CD starts with the first Caroline weekend Easter 1964 and this is followed by recordings of the Dutch captain, Steve Young, Robbie Dale, Kathy Kirby, Emperor Rosko, a drunk Don Allen, Mike Ahern and more stuff from the 60's. Also included are the Mebo 2, Radio 199, Caroline 389, Radio Seagull and L.A. Caroline 79/80 hasn't been forgotten and the 80's are also represented including the failed launch in 1981. Hans Knot has succeeded to select a number of unique recordings which aren't to be found on the albums released so far. Offshore fans and Caroline fans in particular: this CD is a must!!!

How to obtain this CD

Order now your own copy of the Caroline CD for £ 10.00 only (including P+P). 70 minutes of a legendary radiostation. You can pay in cash, registered letter or Int. Moneyorder on the name of JA Knot, Box 102, 9700 AC Groningen. Don't send any cheques.

Contact 94

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94.6 FM

Spring is flooding over Europe this moment and a lot of people are planning their Summer holidays. Sometimes I wonder if radio freaks do have a different kind of holiday compared with "ordinary" people. I know some enthusiasts persistently refusing to carry a radio in their luggage, while others tend to forget everything but their wireless. Sometimes the destination of the trip is connected with the world of radio. Visiting radio-friends (do they look different?!) or a remote radio-station. Some are going full of nostalgia to their destination. Our own Peter travels almost every Summer to the Dutch coastal province of Zeeland. There you'll find him with a strange look on his face, staring at the sea...

Making my own plans for Summer '90 I suddenly got an idea. However, I don't remember exactly what was the right sequence of my thoughts at that very moment. Did I think about Normandie as a destination and realized afterwards that I would get the opportunity to receive the "famous" CONTACT 94", or went it just the other way 'round?!

Anyhow, July '90 I spent two weeks in a little village called Saint-Pierre Eglise, in the North-Western part of Normandie. Already during the journey to that resort it became clear to me that CONTACT 94 covered a very huge area.

CONTACT 94 will be a familiar name to many readers, because the station pops up in the news regularly when another Caroline-deejay is going to work for the station. During my stay of two weeks the station was manned by only former Caroline jocks most of the time. To be more specific: I only heard one deejay who didn't work for Caroline.

CONTACT 94 is broadcasting since September 5th, 1988. The studio and transmitter are located near Lessay. The programmes are directed towards the Channel Islands mainly. So the main language you'll hear on the station is English. Not only the spoken word but also most records are in that language. Only some commercials and an average of one song per hour is French.

The studio is situated on the first floor of a nightclub-restaurant. Finding this location was rather a great effort to me, because the building is located in a very remote rural area, "out in the fields". Not remarkable the site has been a farm in earlier days. The only signs of the presence of a radio-station is the antenna-tower behind the building and three satellite-dishes on the roof. Besides these things only the British registration numbers of the cars on the parking place reveal the location of the station.

After a broadcasting period of some five months the station was silenced February 1989. This happened after complaints from the BBC and FORCE 7, a French commercial radio station. The dispute was on the

"FRS GOES DX" THE MAGAZINE FOR FREE RADIO ENTHUSIASTS

allocation of frequencies. In FRS GOES DX issue 65 (November 19th, 1987) you can read a lot about FORCE 7. July 1989, after some five months, CONTACT returned to the airwaves. Firstly they used second-hand equipment. This resulted in a rather weak signal. After an appeal court in Caen, where CONTACT was justified, all confiscated equipment was given back. So the signal improved greatly.

Many people think CONTACT 94 is a pirate station, but it isn't, nor has it ever been. They use an official allocated frequency.

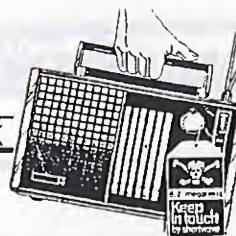
Programme controller of the station is John Tyler. He is the sole remaining member of the original 1988 team. 'Though John is a very important person in the background, for the listener another member of the crew is the main voice of the station: James Day. He certainly is the one with the most "personality" and a very dominant voice. He is also responsible for most of the jingles they use, so his voice can be heard in every programme.

The station can be described as a "music-station", with only short interruptions for the news, taken directly from ITN, by satellite. The target audience is aged between 16 and 45 years old. However, to my opinion the younger part of this audience isn't served by the station, because the station doesn't play the trendy house and hip hop stuff. In my ears this was a very good choice of the station. Their point of view: the current charts don't reflect the musical taste of the majority of the record buyers. Those who buy singles are only a very small part of the audience. Stations basing their format upon the charts are neglecting a lot of people, who, furthermore, have a lot of purchasing power. Personally I would like more stations did share this opinion.

CONTACT 94 plays the music from the last 30 years, with a ratio of 65% old and 35% current material. Spoken word is limited as much as possible. However, especially Max Buchanan will talk a lot in his personal style during his night programme. And nobody blames him for that, because his programmes are most enjoyable. Mostly the deejay will talk after every 2 or three records.

Very remarkable and sometimes even annoying is the fact some recent records are being played very often. As a result a record like "I promised myself" (Nick Kamen) immediately brings me back to those two lovely weeks in a former stable. Another significant point is the fact CONTACT 94 makes use of the nightclub's record collection. You can even hear this, because a lot of records have a quite scratching sound, making the impression that the content of some glasses have been spoiled over them. It even wouldn't surprise me if some records have been used as a beer mat...!

Nevertheless listening to the station is very enjoyable. Ofcourse the team of presenters is changing quite regularly. During my stay in Normandie the crew consisted of: John Tyler, Steven Ryan, James Day, Mark Matthews, Max Buchanan and Gavin Ford. In the meantime people like Dave Asher, Chris Frisco, Alex Rogers and Caroline Martin have joined (and left?) the station.



S.W. survey

Here we go with another detailed listing of the loggings we received from our well-respected monitoring stations in England, France, the Netherlands and Germany. Thanks to each and everyone who participated in this comprehensive edition. The period Saturday February 16th- Monday April 1st is covered. We have waited to include a number of up-to-date reports & loggings and that's the reason the first two April weekends could already be included. All in all a very detailed and comprehensive edition which really is as complete as possible. Also your loggings are more than welcome added with some interesting bits and pieces you heard on the SW bands. In particular we (still) look for a regular UK DX-er willing to participate on a monthly basis. Where is the spirit all you U.K. free radio DX-ers.....?!!!!

SATURDAY FEBRUARY 16th 1991

Freq	Time	Name of the station	Overall Merit		Remarks
			U.K.	Cont.	
6206	11.05	Radio Orang Utan	0=5	0=4	Testbroadcast
6206	11.14	Voice of The Neth.	0=5	0=4	Qso-ing
6239	12.00	Unid	---	---	Dutch
6630	19.02	Station Sierra S.	---	---	Popmusic

SUNDAY FEBRUARY 17th 1991

6206	09.06	Radio Orang Utan	0=5	0=4	Oldies
6205	13.45	Unid	0=5	---	Unmodulated sign.
6207	14.40	Station Sierra S.	---	0=3	Short call
6230	08.59	Jolly Roger Radio	0=2	---	Weak signal
6231	11.10	Radio Mercury	---	0=2	See news
6239	15.45	Radio Pluto	---	0=2	D,E,test,mx
6273	09.03	NISWRS	0=5*	0=2/3	After 10.00 0=2!
6275	10.20	WNKR	0=5	0=2/4	Weekly schedule
6280	11.41	Ozone Radio	0=4	0=1/2	Prince Terry
6288v	10.24	Radio Carrierwave	0=2/3	0=3	E,D,test,hummmm!
6290	11.20	Radio Orion	0=5	0=2	Rockmusic
6300	13.37	Station Sierra S.	0=4	0=2	Qso to R.Decka
6300	13.48	Radio Decca	0=4	0=1/2	Qso to Sierra S.
6300	09.53	Italian amateurs	---	0=4	USB mode, qso-ing
6315	12.45	November Lima	0=5	---	Calling cq
6319	01.02	Radio Stella	0=4	0=2	Whole night long!
7290	08.11	Radio Mona Lisa	---	0=2/3	E,letters,popmx
7294	08.53	Radio Europe	---	0=2	It,popmx
7441	07.47	Radio Waves Int.	0=2/3	0=2	E,F,popmx
7441	08.03	KNMS Radio	0=2/3	0=2/3	E,popmx,letters
7441	10.09	Radio Perfect	0=2/3	0=2/3	Via RWI
11401	08.02	RWI	0=3	0=3/4	//7441
11401	08.04	KNMS Radio	0=3	0=4	//7441
11401	10.10	Radio Perfect	0=3	0=3/4	//7441
15050	10.51	PFBS Radio	---	0=2/3	Test ??

F.R.S. SALES PRODUCTIONS.....
A WIDE SELECTION OF RADIO-TAPES
FROM AROUND THE WORLD!

Former mentioned Steven Ryan is the only jock who hasn't any experience on the Ross Revenge. (As a contrast: James Day has been working for Caroline AND Laser!). Steven already worked for CONTACT 94 in 1989 and had found a job on a local radio station at the South Coast of England. Last Summer he was on holiday in Normandie to join the station again for a short period. A sign of the good spirit in the team.

The station's target audience is reflected in the commercials you can hear. Most commercials regard typical consumer goods like clothing, cars, restaurants, and things like that. Two international advertisers make use of the station: Coca Cola and Marlboro. The latter is sponsoring the Sunday programme "Marlboro Golden Greats". There is also a Marlboro roadshow visiting the Channel Islands.

In case you have become somewhat curious about CONTACT 94 and visiting Normandie is out of the question: look at this month's tape-offer for the solution!

94.6

Contact
94

We're
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FM > Latest Hits & Greatest Memories

DEDICATIONS (01033) 33.46.30.30 PROMOTIONS (0534) 46996

FRS NEWSCORNER Cont. from page 3:

As from now on you will be twice notified when a certain 'FRS Goes DX' issue is the last one on account of your current subscription. In the first place you will find a separate sheet of paper which informs you about the fact that your subscription has run out. Secondly: on page 2 in the left corner (below) there's a little square. When it contains a cross it also means that particular issue is the last one on account of your current subscription. In the past we sent issues to people who still hadn't renewed because we thought they would do so. From now on we won't do this anymore regardless what person it relates to !! We have had bad experiences and that only costs extra money. A last remark: if your renewal reaches us too late, you'll obtain the next issue a month later, together with the second issue of your new subscription. The faster you are, the easier it is for our administration.

SUNDAY FEBRUARY 24th 1991

Freq	Time	Name of the station	Overall U.K.	Merit Cont.	Remarks
6225	11.03	Britain Radio Int.	0=5	0=3/4	4th Sun schedule
6229	09.36	Unid	---	---	Music
6230	10.19	Radio Mercury	---	0=2/3	Test, see news
6238	10.25	Jolly Roger Radio	0=3	---	Popmx
6273	04.30	FRS-Holland	---	---	Test to North A.
6275	10.12	WNKR	0=5	0=3/4	Mod problems
6275	13.10	Unid (WNKR??)	---	0=3/4	Non-stop mx
6280	11.40	Ozone Radio	0=5	---	---
6290	11.38	Radio Orion	0=5	0=1/4	Usual format
6313	05.00	Radio Stella	0=3	0=2/3	All night long
6318	10.22	Radio Mirage	0=5	0=2/4	Undermodulated
6540	14.11	Station Sierra S.	---	0=2/4	Jammed by utility
7362	11.02	Radio Vanessa	---	0=3	Popmx
7378	09.21	Radio Diana	---	---	---
7410	09.22	Radio Mirage	---	0=2/4	Sign off a 09.24
7441	07.37	RWI	0=2	0=2/3	E,F ID's
7441	08.35	Radio Marta	0=2	0=3	//11401
7441	11.14	Radio CLCG	0=2	0=2/4	See news
7441	13.13	Falcon Radio	0=2	0=2/4	6th Birthday!
7480	08.49	Radio Benelux	0=2	0=2/3	G,rockmx
11392	13.06	Radio Stella	---	0=3	See news
11401	08.10	Radio Marta	0=3	0=3	Popmx
11401	10.55	RWI	0=3	0=3	E,F, popmx
11401	11.14	Radio CLCG	0=3	0=3	Low mode
11401	13.13	Falcon Radio	0=2/3	0=3	//7441

SATURDAY MARCH 2nd 1991

6205	12.14	Star Club Radio	---	0=3/4	E, popmx
6205	12.53	Delta Radio Saterl.	---	0=4	D, qso
6240	12.01	Unid (Pluto?)	---	0=3/4	Test, rockmx
6240	13.02	Radio Pluto	---	0=3/4	Qso to Delta
6240	23.06	Radio Meteor	---	0=3	Finnish pirate!
6315	14.32	Star Club Radio	---	0=3/4	G, oldies
6315	14.39	West German P.O.	---	0=3/4	Music, letters

SUNDAY MARCH 3rd 1991

6203	10.32	Unid	---	0=3/4	Non-stop mx
6205	13.19	Delta Radio Saterl.	---	0=4	D, music
6208	08.13	Midlands Music Radio	0=4	0=2/4	E, popmx
6230	09.05	Jolly Roger Radio	0=3	0=2	E, music
6275	10.37	WNKR	0=5	0=3/4	Weekly format
6280	11.47	Ozone Radio	0=5	0=1/2	---
6282	10.53	Radio California	---	0=4	See news
6282	12.18	Star Club Radio	---	0=4	G, DX-news
6288	09.33	Star Club Radio	---	0=3/4	---
6288	10.36	Radio California	---	0=4	Via SCR
6290	12.28	Radio Orion	0=5	0=2/3	---
6313	08.12	Radio Stella	0=4	0=2	---
6314	07.02	Star Club Radio	---	---	G, E, test to USA

SUNDAY MARCH 3rd 1991 (Cont.)

Freq	Time	Name of the station	Overall U.K.	Merit Cont.	Remarks
6316	09.24	Radio Carrierwave	0=2	0=3	E, D
7294	09.20	Radio Marabu	---	0=2/3	Via R. Europe
7290	09.34	Radio Peace in Act.	---	0=3/4	See news!
7308	10.25	Radio Dutchboy	---	0=2/3	Low mod
7385	11.19	Radio 49 Int.	---	0=3	Test
7441	09.08	Southern Music Radio	---	0=2	Via RWI
7441	09.39	RWI	---	0=2/3	German ID
7480	09.22	Radio Benelux	---	0=3/4	G, dj Andy
7520	06.37	Radio Free N.Y.	---	0=4	Via WWC
11401	07.54	RWI	---	0=3/4	//7441
11401	08.35	SMR	---	0=3/4	---
15050	11.08	PFBS Radio	---	0=4	Long skip

SATURDAY MARCH 9th 1991

6272	13.00	Mi Amigo Int.	0=4	0=3	Via NISWRS
6290	11.45	Unid	---	0=3	Orion ??
6820	10.00	Radio Virginia	0=4	---	Via Falcon tx
6820	11.45	Falcon Radio	0=4	---	Test ??

SUNDAY MARCH 10th 1991

6206	10.02	Unid	---	0=4	Super Station
6210	10.31	Unid	---	0=3/4	Beeth. class.mxl
6225	13.26	Voice of The Neth.	---	0=4/5	Qso-ing
6233	14.10	Unid	---	0=2	Radio NY tapes
6238	08.54	Jolly Roger Radio	---	0=2	---
6267	12.39	Radio Mi Amigo	---	0=2	Caroline Story
6275	10.17	WNKR	0=4	0=2/4	---
6275	13.19	Radio Mi Amigo Int.	0=3	---	---
6290	11.32	Radio Orion	0=5	0=2/3	E, rockmx
6309	11.06	Live Wire Radio	---	0=3	Testbroadcast
6314	16.07	Radio Marabu (tent.)	---	0=1/2	---
6316	10.57	Radio Mirage	0=5	0=3/4	Mark Jones
7410	10.00	Radio Mirage	0=5	0=2/3	G, E, popmx
7441	08.11	Star Club Radio	---	0=2/4	G, E, via RWI
7441	09.37	RWI	---	0=2/3	E, //11401
11393	07.44	Radio Stella	---	0=3	---
11393	13.30	Radio Marabu	---	0=3	Via Stella
11401	09.32	Star Club Radio	---	0=3	G, E, test
11401	10.25	RWI	---	0=3	---
11401	10.42	KNMS Radio	---	0=3/4	Offshore themes
11407	08.14	Radio Mirage	---	0=4	Non-stop mx

SATURDAY MARCH 16th 1991

6233	15.12	Radio 49 Int.	0=4	---	Popmusic
6273	04.00	NISWR	---	---	Test
6290	11.43	Radio Orion	0=4/5	0=2/3	Rockmx

SUNDAY MARCH 17th 1991

6208	07.07	Midlands Music R.	0=4	0=2/3	E, ID, address
6224	14.52	Veronica Supergold	---	---	UK station
6231	08.36	Shamrock Radio	0=3	0=2/3	= JRR !
6232	10.39	Radio 49 Int.	0=3	0=2/3	Roger Davis
6239	09.14	Shamrock Radio	0=3	0=1/2	Irish folk
6275	10.15	WNKR	0=5	0=2/4	E, popmx
6277	00.04	Rainbow Radio Germ.	---	0=4	E, G, via LWR !!
6280	11.05	Ozone Radio	---	0=1/2	
6290	10.59	Radio Orion	0=5	0=2/4	
6315	09.50	Radio Anorak	0=4	0=2/3	See news
7290	10.22	FRS-Holland	0=3	0=3	See FRS Newscorn.
7386	11.57	Radio Mi Amigo	0=4	0=3/4	See news
7425	10.02	Radio Mi Amigo	0=5	0=3/4	Test, E
7490	09.25	Radio Atlantis	---	0=2/3	G, popmx
11393	01.01	Radio Stella Int.	---	0=2/4	All day & night

SATURDAY MARCH 23rd 1991

6232	12.42	Jolly Roger Radio	0=4	---	
6232	16.20	Radio 49 Int.	0=4	---	Test
6241	13.32	NISWRS	0=5	---	
6241	22.03	Unid	---	---	Rockmx
6290	11.42	Radio Orion	0=5	0=2/3	
6849	13.36	Unid	---	---	Sunshine 101 tape

SUNDAY MARCH 24th 1991

6200	10.02	Starfleet Radio	---	0=3	ID's in German/m
6205	11.51	Radio Carrierwave	---	0=3	D, E, cq-call
6205	12.41	Delta Radio Saterl.	---	0=3	D, qso
6206	09.42	Star Club Radio	---	0=1/4	G, E, test
6220	10.01	Radio Gemini	---	0=1/2	Weak!
6230	12.00	Britain Radio Int.	0=3	0=1/3	Weak!
6230	11.44	Unid	---	0=3/4	Dutch, non-stop m
6240	09.52	Jolly Roger Radio	0=3	---	
6240	12.44	VOTN	---	0=4	D, E, qso to Delta
6275	11.04	WNKR	0=5	0=2/3	E, popmx
6280	10.15	Ozone Radio	0=5	---	Popmx
6290	08.09	Unid	---	0=2/3	Orion or R.49??
6290	11.40	Radio Orion	---	0=2	E, popmx
6310	10.49	Star Club Radio	---	0=3	6206 announced
6315	10.13	Radio Anorak	0=4	---	Test
6315	12.47	Radio Santana	---	0=4	Qso with VOTN
6315	13.13	VOTN	---	0=4	Qso with Santana
7365	11.27	Radio Geronimo	0=4/5	0=3	Test; see news!
7480	09.08	Radio Benelux	---	0=3/4	G, rockmx
7496	10.08	Radio Vanessa	---	0=3	Low mod
11415	09.39	Radio Stella	---	0=3	E, low mod

FREE RADIO SW REVIEW

FRIDAY MARCH 29th 1991 (Good Friday)

6206	12.28	Radio Orang Utan	---	0=4	Brief test
6229	23.00	Jolly Roger Radio	---	---	
6230	09.29	Star Club Radio	---	0=3/4	G, Eastertrm
6230	09.45	Radio California	---	0=3/4	Popmx
6232	15.58	Radio 49 Int.	---	---	Popmx
6240	14.30	Unid	---	0=3	Chris Rea mx
6242	11.00	NISWRS (tent.)	---	---	
6285	09.30	PFBS Radio	---	0=4	Simon Hendrix

SATURDAY MARCH 30th 1991

6206	14.14	Radio Orang Utan	---	0=4	D, E, qso
6232	14.14	Radio Orion	---	---	Via R.49 Int.
6234	22.20	VOTN	---	0=3	E, popmx, fading
6237	22.50	Radio Meteor	---	0=2	E, Fin
6275	10.26	Radio Mi Amigo UK	---	0=2	E, popmx
6285	20.57	PFBS Radio	---	0=3	Test, fading
6290	20.59	Radio Orion	---	0=2	Test, fading
6317	13.01	Radio Delta Ruurlo	---	0=4	Test of new mod.
6319	13.32	Radio Delta Saterl.	---	0=2/3	Report to Delta Ruurlo with SW!
6820	10.15	Radio Virginia	---	---	Via Falcon Radio
6820	12.12	Falcon Radio	---	---	Popmx
6820	12.19	RWI	---	---	Via Falcon Radio
11416	12.45	Radio Stella	---	0=3	E, test, popmx
11433	12.46	Unid	---	0=2	Just music
11448	13.00	Unid	---	0=3	Same as on 11433?
15030	23.30	Radio New York Int.	---	0=2	Via Radio For Peace Int.

As from Sun March 31st onwards the difference between UTC/GMT and BST is one hour and between UTC/GMT and CET two hours!

SUNDAY MARCH 31st 1991 (Easter Sunday)

Freq	Time	Name of the station	Overall U.K.	Merit Cont.	Remarks
6206	06.49	Radio Orang Utan	0=5	0=4	E, D, popoldies
6210	12.03	Radio Carrierwave	---	0=2/3	Qso with Nolan
6212	10.58	Radio Nolan	---	0=2/4	Qso-ing
6212	11.09	Radio Bluebird	---	0=3	Qso-ing
6220	07.55	Midlands Music Radio	0=5	0=2/3	E, popmx
6220	10.19	Unid (not MMR!)	---	0=4/5	Very strong!
6230	08.05	Star Club Radio	---	0=3	G, popmx
6232	10.20	Radio Orion	---	0=2/3	E, via R.49 Int.
6233	09.16	Radio Bagdad	---	0=2/3	UK, spoof station
6233	21.18	Unid	---	0=3	Caroline relay
6234	22.36	Radio Meteor	---	0=2	Finn, oldies
6240	10.58	Unid	0=5	0=2	Live relay from Astra satellite
6275	08.08	WNKR	0=5	0=2/3	Very long trm
6276	12.01	Radio Delta Ruurlo	---	0=4	Qso to Nolan

SUNDAY MARCH 31st 1991 (Easter Sunday; Cont.)

6280	12.04	Ozone Radio	0=5	---	
6288	10.02	Star Club Radio	---	0=3	DX-tips, popmx
6290	08.03	Radio Orion	---	0=2/3	Mike Wilson
6317	11.09	Radio Delta Ruurlo	---	0=3/4	Splatter, qso
6825	10.00	Unid	---	0=2	Non-stop mx
7285	08.50	Radio Dutchboy	---	0=4	See news
7290	08.55	Unid	---	0=4	Strong carrier
7292	07.10	Radio Europe	---	0=2	Music
7375	06.32	Radio New York Int.	---	0=2	See news
7441	07.09	RWI	---	0=2/3	Low mod, //11401
7520	05.34	Radio Free New York	---	0=3	Free radio infos
7558	07.10	Found. of Human Und.	0=4/5	0=3	Roy Masters
7558	09.00	Radio Caroline	0=4/5	0=3/4	See news
11401	07.09	RWI	---	0=3/4	Low mod, //7441
11416	06.50	Radio Stella	---	0=3/4	All day & night
11433	07.06	Radio Titanic Int.	---	0=2/3	See news
15050	00.00	Live Wire Radio	---	---	See news
15050	00.25	Rev. Voice of Pl.	---	---	See news

MONDAY APRIL 1st (Easter Monday/ April's Fools Day)

6200	11.18	Radio Delta Ruurlo	0=5	0=4	E,D, popmx splatt.
6203	12.10	Radio Charlene	---	0=3/4	Via VOTN tx, qso
6205	12.23	Robin Radio	---	0=4	Spoof station
6205	12.08	VOTN	---	0=4	Qso to Robin R.
6220	07.45	Midlands Music R.	0=4	0=2/3	E, popmx
6226	08.59	Unid	---	0=1/2	Just mx
6230	11.31	Jolly Roger Radio	0=4	---	
6235	10.48	Wee Guy Radio	0=5	---	Spoof station
6241	08.04	Rocket 48	0=4	0=2/3	E, popmx
6275	08.05	WNKR	0=5	0=2/4	E, Andy Walker
6281	09.39	Radio Bella	0=5	0=2/3	E, ID, popmx
6290	07.52	Radio Orion	0=5	0=2	E, popmx
6290	09.42	Radio Bagdad	0=5	0=2	Spoof station
6308	10.00	Radio Flatland	0=5	0=2	Spoof station
6308	11.12	Weekend Music R.	0=5	0=2	Spoof station
6308	12.26	Radio Delta	0=5	0=2	Spoof station
6308	12.36	Radio Confusion	---	0=2	E, Vict. Rd address
6308	12.41	Live Wire Radio	0=5	0=3/4	E, popmx, info
6314	12.54	Radio Carrierwave	---	---	Test cq
6316	11.28	Radio Peace in Act.	0=5	0=3/4	Via Mirage ?
6316	12.15	Radio Titanic	0=5	0=3/4	Via Mirage ?
6400	09.19	Radio Weird	---	0=3	E, spoof station
7289	08.20	Radio Dutchboy	---	0=3	Bad mod, qso
7290	07.00	Radio Mona Lisa	---	0=3	E, popmx, qso-ing
7292	09.34	Jolly Roger Radio	---	0=2	Via R. Europe
7384	08.35	Radio Peace in Act.	0=5	0=3/4	See news
7423	07.51	Radio Titanic Int.	---	0=2/4	See news
7520	04.56	Radio New York Int.	---	0=3/4	E, via WWC
11416	06.13	Radio Stella	---	0=3	Stella DX
11419	08.50	Radio Mayday	---	0=2	See news
15050	12.40	PFBS Radio	---	---	Only 8W!

SUNDAY APRIL 7th 1991

<u>Freq</u>	<u>Time</u>	<u>Name of the station</u>	<u>Overall</u>	<u>Merit</u>	<u>Remarks</u>
			<u>U.K.</u>	<u>Cont.</u>	
6203	09.55	Radio Mutiny (?)	0=4	0=4	Testtrm
6230	09.02	Radio Gemini	0=4	---	
6230	09.46	Jolly Roger Radio	0=4	---	
6232	00.30	Unid	---	0=2	Much fading
6233	12.38	Radio Orion	0=4	---	
6275	07.51	WFRL	0=3	0=2/4	BBC records
6280	11.14	Ozone Radio	0=5	---	
6290	10.19	Radio Orion	0=5	0=2/3	
6310	12.53	Unid	0=5	0=3	Speech inaudible
6315	09.06	WNKR	0=5	0=3/4	Usually on 6275
6315	12.19	Romeo Golf One	0=4	---	Qso-with Ozone
7286	07.46	Radio Dutchboy	---	0=2/4	Sign off at 09.32
7450	07.35	Radio Mayday	---	0=3	Via RWI
7450	08.30	RWI	---	0=3	New frequency
7450	09.34	Radio Marta	---	0=3	Via Waves
11401	09.02	RWI	---	0=3	//7450
11401	09.34	Radio Marta	---	0=3	//7450
11416	07.38	Radio Stella	---	0=4	Announces 11393
11435	08.19	Radio Titanic	---	0=2	Utility on 11436

GENERAL

The conditions have been sometimes good but mostly fair in the past period. For instance March 24th conditions were very poor, at least during the morning hours. As a result some British stations were hardly to receive on the continent, stations which usually provide fair /good signals. Also on easter Monday conditions were rather poor with a lot of bandnoise.

As the days are becoming longer and longer, the activity during Sat evening and night increases. Another interesting development is the use of the 26 mb. Already in the 1970's and early 70's, the 26 mb was popular among the various SW pirates. During most of the 1980's the 26 mb was only used so now and then. For instance Radio East Coast Commercial used to broadcast on a handful of frequencies within the 26 mb. Radio Waves Int. from France was the first real regular user of a 26 mb frequency: 11401 kHz. Most of the time the station has a good but above all very clear signal. It's apity the modulation level leaves much to be desired. Since early March Radio Stella from Scotland is also regularly broadcasting on frequencies within the 26 mb. Last but not least we may not forget the German SW 'veteran' Radio Titanic Int. having carried out a number of tests in the frequency range between 11400 and 11500 kHz. Even a Finnish station, Radio Mayday has been noted in the 26 mb. For medium and long distance the 11400- 11500 kHz frequency range offers good possibilities. The 19 mb remains a favourite, especially when it comes to USA testbroadcasts. Live Wire Radio, PFBS and Dutch station Radio Tower all used 15050 recently. Especially LWR and Radio Tower were remarkably successful. The 19 mb remains interesting for long distance tests beamed to the continent of North-America. The advantage of the 19 mb in compare with the 48 mb is that the former can be used during the whole year while the 48 mb only during the winterperiod. When using the 19 mb make sure which part of the day offers best possibilities to make the most of the propagation opportunities. Remember: there are quite some USA DX-crs keen to

receive as many Euro-pirates as possible. Possible tests can be pre-publicized via a number of well-respected USA magazines specialized on SW: A*C*E which stands for Association of Clandestine Radio Enthusiasts, P.O.Box 11201, Shawnee Mission, KS 66207-0201 and Pirate Pages, Box 109, Blue Ridge Summit, PA 17214. Or contact 'FRS Goes DX' because we have good contacts with both mags!

Finally we would like to make mention of stations operating within the 7360- 7390 kHz range. In the 70's and early 80's most of the 41 mb pirates operated within the 7300- 7400 kHz range. Remember E.M.R., Weekend Music Radio, Radio Impact, FRS-Holland, Radio Woodstock & Radio Sunshine just to mention a few. When the legal power-houses increasingly used frequencies within this popular range, it was impossible for the hobby pirates to continue on their fixed and beloved frequencies. Radio Tirana on 7310, BBC on 7325, a station on 7335, Radio Prague on 7345: only a very small part was still to be used. As a result the 7400- 7500 kHz range became increasingly popular (and still is). It's therefore remarkable to see that quite a number of stations have used the 7360- 7390 kHz part of the dial in recent weeks: Radio Vanessa, Radio Geronimo, Radio Mirage, Radio Diana, Radio Mi Amigo. Also 7285/ 7290 are frequencies to keep an eye on!! Reason for this sudden increase of activity is that the 7360- 7390 part is spared of utility stations and powerhouses.

THE NEWS

The news in this section is covering the period February- early April 1991. Any interesting news can be sent to our Herten maildrop ! Txs to all who sent in contributions!

RADIO CALIFORNIA was heard with the final transmission on Sun March 3rd on a frequency of 6282. Pxs came from Star Club Radio's tx located somewhere in Germany. Good Friday, March 29th California was noted on 6230 via SCR. It's not known whether this was an old tape. If not, then the final broadcast a few weeks earlier was fake. We presume the latter broadcast was indeed an old tape. Address:(1).

STAR CLUB RADIO was very active in the past 6 weeks. The station doesn't use a fixed frequency but is heard on various 48 mb frequencies including 6315, 6230 & 6280 khz. Signal-strength on the continent is fair/ good. A number of German stations is regularly relayed via SCR's outlet. March 3rd a test was carried out to the USA on 6314. As far as we know this test wasn't successful. Address is (1).

The name DELTA RADIO must be quite confusing for lots of SW listeners. In The Netherlands there are a number of Delta all making use of the SW bands. Radio Delta Ruurlo was heard several times in recent weeks. The station was picked up on frequencies around 6205 and 6315 kHz. It's obvious a strong tx is being used in view of the strong signals to be heard. The address is P.O.Box 65, 7260 AB Ruurlo in The Netherlands. There's also a Radio Delta from Elburg and this station can be reached via P.O.Box 41, 8080 AA Elburg. A regular qso-station is Radio Delta Saterland. The address of the latter is unknown to us.

RADIO DUTCH BOY was noted during a number of occasions on 7285 kHz. Most of the time very good signals were noted whereas the quality of the pxs is very poor. Sun March 31st Dutch Boy was on 7285 and April 7th 7289 was being used. On the latter date the overall quality was less good than the week before. Address: Box 87, 7710 AB Nieuwleusen in The Netherlands.

A new Dutch station called RADIO MERCURY conducted two successive tests on February 17th & 24th. Both Sundays the station was to be found on 6231 kHz with only poor/fair signals on the European continent. It was mentioned that the tx power was 20W which must give better results than the signals which were received in February. The address is Box 84, 3417 ZH Montfoort in The Netherlands.

RADIO CLCG returned on the airwaves after an almost 12 month break, caused by the fact no suitable relay-station could be found by the CLCG people. The February 24th trm took place via the facilities of RWI in France. CLCG was relayed on 7441 & 11401. Whether future pxs will also be relayed via RWI remains to be seen if we may believe the CLCG key-figure. Address is Box 540101, W- 4100 Duisburg 54 in Germany.

RADIO STELLA INT. made a move from the 48mb to the 26mb. Saturday March 2nd Stella was heard on the usual 6319 frequency. The other day, Sun March 3rd, the station was testing on 11393 kHz. RSI stayed on 11393 till Sun March 17th. A week later the 11393 was shifted and 11415 became the new channel. Up till now RSI uses the latter as a fixed frequency for its Sat night and Sun trms. As the station only broadcasts on one frequency, the conclusion may be justified that the 6319 tx now operates on 26 metres. However, certain info tells us that RSI's current tx is a new one and that the station will return on 48 metres within a limited period. Current power is believed to be 100W. Trms on 11 MHz are ideal for RSI as the station is located in Scotland and long distances must be bridged to reach the listeners in the southern part of the UK and the European continent. Signals on 11 MHz tend to be very clear and clear, not suffering from any fading or bandnoise. All in all a fair/good signal can be heard on 11415 kHz. The address of RSI remains the by now well-known 23 South Beechwood, Edinburgh EH12 5YR in Scotland.

JOLLY ROGER RADIO is planning relays via Radio Europe in Italy. Europe transmits on 7292 kHz but doesn't put out a great signal as far as reception in Western Europe is concerned. JRR has been received a couple of times at the east coast of Canada in the past few winter months. Quite amazing knowing the station's signal is even on England's west coast not really impressive! No less than 16 different qsl cards are available. Address: Box 39, Waterford in Ireland.

RADIO ANORAK is a new British station which was logged on March 17th on 6315 kHz. Former RFM deejay Phil Thomas was hosting a px giving out an address in New Zealand! A 2nd engineering test was carried out March 24th, also on 6315 kHz. Signal-strength in the UK was good but poor on the continent. Address is 507 Weymouth Rd, Auckland in New Zealand.

RADIO ORION celebrated 5 years of SW broadcasts February 17th with an almost 4 hour long broadcast on 6290.

Apart from the weekly Sunday trms Orion can also be regularly logged on Saturdays during daytime and evening. Even on Friday afternoons the station is sometimes active and this might become regular in the near future. Every first Sun of the month a DX-spot is broadcasted, hosted by Mike Wilson and compiled by Neal West. Although we must add we are not sure about the latter's involvement! It could be somebody else is compiling the DX-px. Address of the 'Big O' is Box 1280, Rednall, Birmingham, West Midlands B45 8SQ in England.

One of the most active UK stations nowadays in **RADIO 49 INT.** As already reported last month, R.49 returned on SW following an absence of a few years. Sun February a trm was made to test a new modulation transformer. Sun March 3rd another test was conducted, this time in the 4lmb on 7385 kHz. On the continent a fair signal was audible. By the way: it was originally intended to be on 6299 khz but the latter was jammed up. Guest deejay was BRI's Roger Davis. Because this 4lmb wasn't foreseen a 48 mb antenna was connected with the tx. Friday afternoon March 8th a 25W tx VFO-controlled rig was tested on 6285 kHz putting out an Orion px. In the mean time a new 6232 kHz x-tal has been obtained by 49's main person. Since mid March several 6232 broadcasts have been noted on various times and dates including evening ones. During and just before the Easter weekend 49 was on air Thursday March 28th, Friday March 29th & Sunday March 31st. It was probably also Radio 49 being responsible for a number of spoof stations which were heard Easter Sunday and Easter Monday, April's Fools Day. The following spoofs were logged: Radio Flat land (a send-up of Dutch stations) qso-ing with a send-up of WMR. Radio Bella was a send-up of Radio Stella and last but not least Wee Guy Radio was heard. All stations were logged either 6233, 6290 & 6308 kHz. Several British SW were victim and were being send-up. All in all quite funny. Mark you: we are not sure who was responsible for all these spoof stations!! Address of Radio 49 Int. is Box 1280, Rednall, Birmingham in the UK (see also Radio Orion).

MIDLANDS MUSIC RADIO continues to be broadcasting irregularly on 6220 kHz with a power of 15W. A few times 6208 was used due to a foreign station also transmitting on 6220. MMR has no real regular px schedule and it seems there are no connections with other UK SW operations although the station members have been in free radio since 1984. Address: 135 Barks Drive, Norton, Stoke-on-Trent, Staffordshire ST6 8EX in England. Reports from the USA & Canada have been received in the past few months.

FREESOUND RADIO, the station which closed down Sun Dec. 30th, intends to make a come-back in the near future. Perhaps under a different name. Currently a suitable mobile location is being looked for. Talking about new names: **RADIO CONFUSION** may make no broadcasts under this name. The new name however has nothing to do with the new UK law, according to station-op Steve Midnight. Radio Confusion was noted Easter Mon April 1st on 6308 kHz with a poor signal on the continent. Address is (3). So when you hear something unknown on 6308, it could be the new Confusion. I hope this isn't too confusing.....

WEST & NORTH KENT RADIO has become a weekly operation and that's rather amazing knowing the new British Broadcasting law came into force Jan. 1st 1991 making things not easier for the SW operations. Fixed frequency is 6275 and most trms result in fair signals on the continent. In the UK very good signals are noted. Sun February 24th WNKR introduced a free radio show hosted by WFRL's Andy Walker who's also regularly heard on WNKR. The free radio show goes out between 1100- 1130 BST and during a few pxs lots of 70's London free radio stations were played in the show. Easter weekend WNKR was on both Sun & Mon until the early evening, some 8 hours per day. Easter Sun the station suffered problems with a rig not to be tuned up properly. Those who are interested can send a 30 min. px on cassette to (1) and be sure you will be aired !

WNKR's sister-station is **WONDERFUL FREE RADIO LONDON**, the station which returned to slightly more regular broadcasting schedule as already mentioned in the previous edition of 'FRS Goes DX'. Sun February 24th WFRL made a brief test on 6275 with a new 30W tx. It seems the station now has 4 different rigs all operational in the 48 mb. The February official come-back trm produced some 15 letters. Special trms were carried out during Fri & Sat night of the Easter weekend on 15830 kHz. At approx. 02.00AM BST Easter Sunday the 19 mb tx had blown. Sun April 7th WFRL was to be heard with a scheduled trm on 6275. Signal-strength was rather poor on the continent. Address: (1).

BRITAIN RADIO INT. were back to normal on Sun February 24th after a series of slightly reduced trms in the first part of 1991. When broadcasting from a mobile site all sort of things can happen as Roger Davis will confirm. When he was about to start the broadcast he noticed a man with a shotgun not far off.....! He was forced to get away and returned after waiting for almost an hour. The broadcast took place but started one hour later. Sun March 10th BRI decided not to come on although there were no real problems. Although an extra Easter Sun broadcast was intended this didn't happen for unknown reasons. Sun March 24th BRI was hardly audible for most of the morning on the continent due to very bad conditions. Address is (2) & (3).

FALCON RADIO celebrated its birthday on Sun February 24th via the facilities of RWI. It's funny to know Falcon has its own rigs and despite this fact, relays are done via RWI. Saturday March 9th Falcon returned with its own rig on 6820 also putting out pxs of sister-station Radio Virginia. Sat March 23rd Sunshine 101 tapes were heard on 6850 suggesting this could be Falcon's tx too. RWI was relayed on 6849 & 6820 on resp. Sun March 17th & Sat March 30th. Address is (4).



RADIO MI AMIGO is apparently a U.K. based station set up by one of the WFRL crew members, Terry Philips. Saturday March 9th the station was to be heard via the facilities of the NISWRS on 6273 kHz. A mostly weak signal was heard in the UK. The following night the station returned on 6275 with an own tx at 00.00 UTC and also later on that Sun on 6266 & 6275 khz. Signal-strength on the continent was rather poor. As from March 17th onwards a number of 41 mb tests took place. Between 10.00-11.00 UTC a test on 7425 and between 11.00- 12.00 a 7385 test was carried out. Especially on the continent much stronger signals were heard in compare with the signals the week before. One British correspondent makes mention of a stronger 7425 signal in compare with 7385 khz. Finally a 3 hour show was broadcasted on 6275 Easter Sat. It looks like the 41 mb provides the best signals on the continent. Mi Amigo intends to broadcast every other Sat between 09.00- 12.00 UTC with an oldies format. Address is (1).

RADIO DIANA was heard on 7378 khz Sun February 24th. According to reports Diana is a Danish SW pirate! The station broadcasts a few times a year and the address is (2). Another Scandinavian station is **RADIO METEOR** from Finland. Sat night March 2nd at 23.00 UTC Meteor indeed was received in W-Europe with a poor/fair signal. Easter Sat Meteor appeared on 6237 and Easter Sun on 6234; both times in the late evening hours. Power seems to be 60W. Address is (1). A second active Finnish station is **RADIO MAYDAY** which was noted on 11419 kHz Easter Monday with only a poor signal. Addresses are (1) & (4).

RADIO MIRAGE is a station with a Norwegian address but certainly is no Scandinavian station. Mirage broadcasts irregularly but when the station is on, mostly various frequencies are being used. Sun February 24th Mirage was on 6316 and later on that same morning on 7410 khz. The same frequencies were also used Sun March 10th. It seems that there was also a brief test on 11406 kHz in the 26 mb but the latter cannot be confirmed. Easter Monday two stations were relayed via the facilities of Mirage: Radio Peace in Action (see also special feature) was relayed on 6316 & 7385 with very good signals while Radio Titanic Int. was noted on 7422 and 6316 with the same nice signals. Address is Box 2778, Elverhoy, 9001 Tromso in Norway.

LIVE WIRE RADIO returned after a few months break on Sun March 10th on 6308 with an engineering test transmission. A fair/good signal was noted in the whole of W-Europe despite of a power of only 20W. This was the first-ever mobile test carried out by LWR. Monday April 1st LWR popped up on 6308 after Confusion signed off. Bill Lewis announced a power of 80W. A rather interesting tape recording was played on Easter Monday on LWR. It was an off air recording of a qso which took place from Sunday into Monday April 1st. LWR was testing on 15050 all over the Easter weekend during the nightly hours but the very early morning of Easter Mon was one which won't be easily forgotten by LWR's Bill Lewis. At 01.25 UTC the tx was briefly switched off to check the 15050 frequency. When listening to 15050 Bill discovered an American pirate called the Revolutionary Voice of Plainsville. At 01.33 UTC the US pirate left the airwaves and Bill Lewis decided to try a cq call. The US station came straight back. As a result a 30-40 ...

...minute Trans-Atlantic qso took place, the first-ever contact between free radiostations from North-America and Europe. Address of LWR is 21 Green Park, Bath, Avon BA1 1HZ in the UK. We will certainly hear more from LWR in the near future.

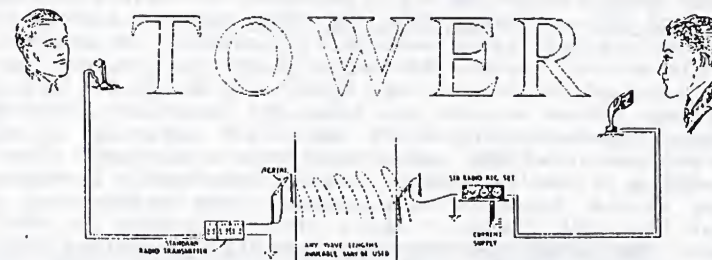
RADIO NOLAN from The Netherlands tested a little 15W tx on Easter Sun. Frequency was 6212 kHz and a fair/ good signal was noted. There seems to be some confusion as far as Nolan's address is concerned. The one and only address is P.O.Box 10, 9540 AA Vlagtwedde.

RADIO PERFECT is a new German station which can be contacted via the well-known Wuppertal address (1). Another new station of German origin is **KNMS**. This one was heard Sun February 17th on 11401 via RWI. KNMS is operated by Mikel Air who used to run SBC a few years ago. Also KNMS uses the Wuppertal maildrop.

Who remembers **RADIO TOWER** from The Netherlands? This station used to broadcast on 6238 with a monthly schedule. That was some two years ago. In the past two years Tower wasn't active but in March the station returned to the airwaves with tests to North-America on 15050 kHz in the USB mode. Power seems to be in excess of 100W. A very successful test was carried out in the very early hours of Sat March 16th. An excellent signal was picked up in the USA with even a 444 SIO !! Address is (2).

More **EURO PIRATES** being received in **NORTH AMERICA**:

NISWRS	6272	24-02-91	07.18- 07.30+	242
Radio Stella	6312	24-02-91	06.40	333
Passion Radio	6234	10-02-91	09.37- 10.02	242/1
Radio Waves Int.	7441	24-02-91	07.08- 08.00	131
NISWRS	6272	17-03-91	03.22- 07.30	232
Unid	6315	17-03-91	06.46- 07.30	131
Radio Stella	11393	17-03-91	08.12- 09.30	232/1
Unid	15040	17-03-91	04.25- 04.31	---



RADIO TITANIC INT. from Germany was rather active over the Easter weekend. Mon April 1st Titanic was relayed on 6316 & 7423 via the Mirage tx. The day before a test was carried out on 11433 kHz, presumably via an own tx. April 7th Titanic tested on 11435 with only a poor signal on the continent. Although we are not 100% sure it could be that Titanic also was responsible for tests on 11433 & 11448 Easter Sat. Address is (2).

RAINBOW RADIO GERMANY were heard on 6277 from Sat March 16th into Sunday the 17th. Frequency was 6277 and RRG was relayed via the LWR tx. The signal was picked up in the USA according to LWR's Bill Lewis. The RRG trm was to commemorate the 1st anniversary of the raid on the station. Address is Box 202, W-6440 Bebra in Germany.

When looking at **THE CURRENT SCENE IN THE UK** things don't look as bad as expected at the end of 1990 when the new bill was almost introduced. A few stations called it a day but most stations re-mained broadcasting. **Freesound Radio** will perhaps return and there is a rumour that **East Coast Commercial** will return to the airwaves sometime in the not too distant future. **Total Control Radio** is also planning to return. All in all the future looks more brightly than expected a few months ago.

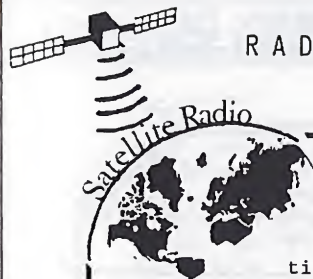
A rather mysterious appearance was that of **RADIO GERONIMO** on Sun March 24th on 7365 kHz in the 41 mb. A strong signal was heard in the UK and also on the continent a fair/good signal was picked up. We don't know who's behind this new station but we do know further tests in the 31 & 41 mb are to be expected in the upcoming weeks. The station uses the Wuppertal maildrop.

The **PIRATE FREAKS BROADCASTING SERVICE** tested on Sun February 17th on 15050 kHz with a small tx putting out some 8W ! Sun March 3rd PFBS was once again on 15050 during noon with a variable signal being received in the UK. Fri and Sat evening March 29th & 30th PFBS was on 6285 kHz with fair/good signals on the continent. The address remains (2).

RADIO GEMINI made one of its rare appearances Sun February 24th. Unfortunately conditions that morning were appalling so that not much was heard on the continent. According to Free DX a new address of Box 293, Merlin, Ontario in Canada was given. We have to add Free DX wasn't 100% certain about the new address. That's the reason we also mention the 'old' address which is 32 Puller Road, Boxmoor, Hemel Hemstead, Hertfordshire HP1 1QN in England.

Perhaps some people might be a bit confused by hearing the names **RADIO NEW YORK INT** and **RADIO FREE NEW YORK**. Mind you, these are 2 different stations both being relayed via the WOCR txs in the USA. **Radio New York Int.** is the former offshore station and can be heard every Sun night/ Mon morning 02.00- 06.00 UTC on 7520 kHz. On Sat evenings RNI is relayed via **Radio For Peace Int.** located in Costa Rico. Frequencies are 21565 and 13630 (starting at 22.30 UTC). The px line-up of RNI seems to alternate bi-weekly. Pxs include a mailbag px and a DX-Show called 'Crossband'. A number of interesting **Pirate Specials** have already been broadcasted. One report says that RNI claims 7 day a week broadcasts via WRNO in New Orleans. The latter has been heard on 7355 overnight but unfortunately with splashover. So we are not sure how the exact facts are with regard to the broadcasting schedule. **Radio Free New York** can be heard early Sun mornings between 04.00- 07.00 UTC, also on 7520. Again with lots of pirate input. The people of **Radio Free New York** have been with free radio since 1973. Special txs to Free DX for most of the info used in this report.

RADIOSTATIONS ON SATELLITE A GROWING POPULARITY



As the magic year 2000 comes closer, the role of the satellite as a medium, carrying radio & tv programmes, becomes more and more important.

A growing number of people are buying a satellite set to be able to 'catch the world'. The possibilities are virtually endless. With an relatively cheap Astra set, already a complete new world opens up !!

And for the real radio anorak, the satellite is an ideal means to get in touch with a wide variety of different radiostations. Be sure also your favourite type of station is to be heard via such a piece of high-tech equipment, hanging some 300,000 kilometres above mother earth. In this satellite feature we won't deal with the technical side of the operation. It's far more interesting to inform you about some of the current developments taking place as far as radiostations on satellite is concerned. In this respect it may not be forgotten to make mention of the launch of a brandnew satellite capable of carrying 16 tv channels and even more radiochannels (read: radiostations). This new satellite is the Astra 1b and is almost operational by now. The advantage for those owning an Astra satellite receiving set is that they can now receive twice as much radio (and tv) stations with the same equipment (provided all tv/radio channels are occupied by broadcasters). No doubt the satellite scene is rapidly progressing. As far as radio is concerned, the most well-known projects were/are **Radio 10** (Dutch), **Cable One** (Dutch;defunct), **Sky Radio** (English) and not to forget **Chris Carey's Radio Nova** (English; currently off air perhaps not to return anymore).

Another UK venture, **Radio Radio**, never became real popular and is already silent for quite some time. But several (interesting?!) new stations are ready to take to the airwaves.... For instance in The Netherlands radiopeople of the national popmusic radiostation **Radio 3** are looking suspiciously at these rapid developments simply because it affects their listening ratings. The share of **Radio 3** has dramatically dropped in the past year whereas at the same time the popularity of the satellite delivered stations has increased (see below!!). What to think of the fact that **Radio Veronica's** Top 40 programme- one of the most listened to **Radio 3** programmes-attracted 35% of the listening audience (= those people listening to radio) while nowadays this figure has dropped to some 14%.... The serious radiomakers in the capital of the Dutch radio & tv industry, Hilversum, are worried. **Veronica** who's having a radio tradition since 1960, has developed a plan of campaign trying to make people more aware of **Veronica Radio** but also Dutch radio in general. And it's no secret this (unique) campaign is also a result of the increasing popularity of stations like **Radio 10** & **Sky Radio**. Next month more about this campaign of **Radio Veronica** lasting for at least 3 months. But now back to satellite and figures....

SATELLITE RADIO IS GAINING GROUND IN THE NETHERLANDS

More and more Dutch radio's are tuned to **Sky Radio** and **Radio 10 Gold**. The share of **Radio 3** and **2** is dropping. **Radio 1**, the Dutch news and info station remains stable. Dutch regional radio has won listeners. This info has been published by a department who's task it is to carry out surveys with regard to the behaviour of those watching tv and listening to the radio. The average time that people daily listen to the radio dropped by 12 minutes (from 2 hours 52 minutes to 2 hours and 40 minutes).

In the future editions of 'FRS Goes DX' we'll do the best we can to keep you in the picture with the latest developments about the satellite radio scene. If you have your own satellite receiving equipment and you have info which could be of interest for this column, please drop us a line.

The increase of satellite radiostations is spectacular. Sky Radio's share increased from 5 to 9% in one year. The same applies to Radio 10 Gold: a 2% increase from 3 to 5%. That means that every 7th radiolistener tunes in to either Sky Radio or Radio 10 Gold. Compared to this increase, there are losses for Radio 3 (from 41 to 36%) and Radio 2 (from 19 to 16%).

RTL 4 LAUNCHES NEW RADIOSTATION

RTL-4 (formerly known as RTL-Veronique) is Holland's first and only commercial tv-station. And already in May RTL-4 is planning to commence radiotrans on satellite. The station has no official name yet. Pxs are aimed at the whole family, so it won't be a specific popmusic station. Ingredients in the radioshow will be music, entertainment including games and news. The new station will start with tests consisting of non-stop music to enable cable networks to pick up the signal. The more households are connected (via the cable network distributing the RTL-4 signal), the more the programming will be adjusted. The new station will be on air 24 hours a day, 7 days a week. Initially presenters will be recruited from the RTL-4 tv-personalities. Among them several very experienced persons who started their career on the radio. Tineke (ex-Veronica), Wessel van Diepen (ex-Veronica), Marc Jacobs (ex-Mi Amigo), Ruud Hendriks (ex-Veronica, Mi Amigo & Caroline) etc. The radiosignal will be distributed via the RTL-4 transponder on the Astra lasatellite. Also individuals will be able to receive the brandnew station. RTL-4 will set foot on a market with numerous rivals: Sky Radio, Radio 10 Gold, Power FM, Radio Contact (?) and a number of future projects. RTL-4 has the advantage that the radiostation can (and will) be promoted on tv by means of promos. As RTL-4 tv has equalled the popularity of the Dutch national tv channels 1 & 2, it won't be a surprise when the new station is attracting quite some listeners. No doubt this will be at the expense of for instance Radio 2.

RADIO 10's THIRD RADIOSTATION IS CALLED POWER FM

Since Friday February 15th Holland's newest commercial radiostation Power FM is active. On that date non-stop music tests commenced on the audio-subcarrier of MTV-Europe on the Astrala. Frequencies are 7.38 MHz and 7.56 MHz. Everyone having an Astra dish can receive PowerFM easily. Power FM aims at a young audience interested in listening to dancemusic. As far as the music is concerned, there's a big difference between Radio 10 Gold and its 'little brother' Power FM. Mark Out, spokesman for Rete Zero: "Radio 10 Gold concentrates on 60's, 70's & 80's oldies aimed at a somewhat elderly listening audience (23-40 years).

Power FM plays nothing but current hits and recurrences. And that's clearly meant for younger people (12-30 years). Impresssing is that already on the first day of tests, some

700,000 households in The Netherlands were able to receive the station. In the mean time this figure has increased to approx. two million !!

Power FM is exploited by RTO Rete Zero SRL, already exploiting Radio 10 Gold and Concert Radio. The latter stations can already be received on almost all Dutch cable networks. After very difficult period, Radio 10, responsible for the 3 radiostations Radio 10 Gold, Power FM & Concert Radio, is doing fine. All stations are active from one studiobuilding in the centre of Amsterdam. The building was totally rebuilt to accommodate the new station. In front of the building the studios of Power FM are located. On the other side are Radio 10 Gold's studios. Concert Radio is on another stock of the building.

Radio 10 is the first Dutch broadcaster using programme segmentation implying that different kinds of music are aimed at different audiences. No doubt each and everyone knows the difference between classic music and popmusic but for those who've got used to the mishmash of music on Radio 3, specialized stations like Radio 10 Gold and Power FM must be a relief. The success of rival Sky Radio (specialized in soft pop) is well enough known but now also Radio 10 Gold is attracting more and more listeners. In the period April- December 1990 the listening figure was doubled. "And also the advertisers are 'flowing' in", according to one of Radio 10's directors, Jeroen Soer. And what's more important than that for a commercial station depending on its advertisers ??

Radio 10 uses no less than 3 different satellite channels for the programmes. The up-link used by Radio 10 Gold is positioned in Brussels and the audio-subcarrier of Filmnet TV is being used (Astra 1a). Concert Radio's signal travels to Stockholm; the audio-subcarrier of Filmnet TV's transponder on the Eutelsat is being leased. Finally there's British Telecom in London uplinking the Power FM signal to MTV Europe's Astra 1a transponder.

One of the most well-known Dutch on-air personalities is Tom Mulder. He started as Klaas Vaak on Veronica where he stayed until the early 70's when the station still was on the high seas. After leaving Veronica Mulder joined TROS Radio on Hilversum 3 (nowadays known as Radio 3). He enjoyed an enormous popularity as presenter of the TROS noon show on Thursday between 12.00- 14.00h. It was one of the most listened to Radio 3 pxs. After having arguments with the TROS management Mulder joined Willem van Kooten alias Joost den Draaijer on Cable One, the very first Dutch commercial popradiostation on satellite. But unfortunately 'the station of the stars' had to leave the airwaves because of the fact the license wasn't extended. Cable One didn't fully comply to the Dutch media law. Mulder disappeared for a while from the scene and returned as a voice-over in a number of RTL-4 tv shows. And since Monday March 4th Tom Mulder is back on the medium he loves most: radio. Every weekday between 10.00- 13.00 CEST he's to be heard on Radio 10 Gold. At the same time Radio 10 Gold's programmes have been re-scheduled. Presented shows are between 07.00- 01.00 instead of 06.00- 24.00h. Between 01.00- 07.00 non-stop gold is being played on the station, which less than a year was more dead than alive. For the new line-up of programmes and presenters see elsewhere in this FRS Satellite Feature.

THREE NEW SPANISH STATIONS ON SATELLITE

For those keen to know how a Spanish popmusic radiostation sounds like, now is the time to give it a try. But you must have a satellite set capable of receiving the Eutelsat 1 F-4 satellite. Los 40 Principales is the top 40 station in Spain, making use of the Tele 5 transponder (10.972 GHz) audio-subcarriers 7.02 and 7.20 MHz. The two other stations are in mono but are less interesting because of their format which is a kind of talk radio.

MORE SATELLITE RADIO FOR THE NETHERLANDS?

Apart from the new radiostation Power FM and the plans of RTL-4 to launch a new radiostation, there are more plans for radio-stations. In Rotterdam there's a local radiostation called Europort Radio and this station was closely involved with the now defunct Dutch offshore stations Radio Monique, Radio 558 & Radio 819. All stations broadcasted from the radioship Ross Revenge and it's not a secret that several pxs on Europort Radio were re-broadcasted on the Ross. To understand this story we must go back to August 1990 when a new satellite station under the name Radio Northsea Int. commenced trms. Friday August 31st 1990 at 19.00 CEST, exactly 16 years after the offshore station RNI was forced to close down, the new RNI started being an initiative of Dutchman Henk de Jong who used to be a RNI freak in the early 70's. He's living in Norway and had the possibility to lease an audio-subcarrier for a relatively low price. RNI started mono trms via the Intelsat V-A F-12 satellite on 7.74 MHz (subcarrier of TV4 on 11.016 GHz). Pxs are in Dutch, German, Norwegian and English. After some time De Jong got in touch with a few persons involved in Europort Radio. RNI pxs are produced and presented by volunteers and it's not a real professional station which has, except the name, nothing to do with the colourful MeBo 2 station. According to Hans Wennekes, owner of TV-studio 'Mijndrecht' selling commercial airtime for the station, he's been approached by a Norwegian broadcasting network. With the latter RNI is meant which indeed is 100% Norwegian although the owner, Henk de Jong, is a Dutch citizen. TV-studio 'Mijndrecht' has close contacts with another company called MBA Discoservice and it is this company who owns the studios where Europort Radio is making use of. Managing-director of MBA Discoservice is Nico Volker who was the keyfigure behind Radio Monique 963. Several former offshore jocks are to be heard on Europort radio, a station which is forced to close down in the future: the broadcasting license won't be extended. Important for the new station is how many cable networks will pass the signal on to their subscribers. That is the only chance to become popular among the Dutch listening audience. The Intelsat VA F-12 satellite can only be received with a relatively expensive private satellite receiving set. So that won't be the ideal way to reach a big Dutch audience. Pxs will be in Dutch and the responsible people claim their project is fully legal and cannot be stopped by Dutch authorities. Mr. Wennekes: "If they want to stop us, they also have to stop the new RTL-4 radiostation." 'FRS Goes DX' will keep you in the picture about future developments. Be sure to run across some voices sounding rather familiar! By the way: the station will carry a kind of 'family radio' format just like RTL-4. Did somebody say something about rivalry??



INTELSAT VI-F4

11.015 GHz/H - The Children's Channel
Super Gold 7.92 MHz

11.755 GHz/H - The Discovery Channel
SIS Satellite Racing 7.56 MHz

11.175 GHz/V - BBC TV Europe
BBC for Europe 7.02 MHz
BFBS 7.20 MHz (coded)
BBC Languages 7.38 MHz
BBC Languages 8.10 MHz

11.155 GHz/V - CNN International
CNN radio 6.30 MHz

TELECOM IC

12.522 GHz/V - M6
Aquarelle FM 6.40 + 7.25 MHz
Europe No. 1 6.85 + 8.20 MHz
Non-stop music* 7.75 + 8.65 MHz

12.606 GHz/V - La5
Maximum 6.40 + 7.25 MHz
RTL 6.85 + 8.20 MHz
AFP/Nouvelle Generation 7.75 MHz
Com-4 8.65 MHz

12.648 GHz/V - Canal+
Mood Music 6.40 + 7.25 MHz
Radio Monte Carlo 6.85 + 8.20 MHz
RFM 7.75 + 8.65 MHz

12.732 GHz/V - Canal J/Canal Jimmy
Radio CVS 6.40 MHz
Cherie FM 6.85 MHz
Metropolis 7.25 + 8.20 MHz
Rock Quest 7.75 MHz
Fourviere FM 8.65 MHz

INTELSAT V-A F-12

11.016 GHz/H - TV Norge
Radio Nettverk 7.20 MHz
Radio Scandinavia 7.80 MHz

11.680 GHz/H - TV4
Norges Radio tests 7.38 + 7.56 MHz
Radio Noordzee Int. 7.74 MHz

KOPERNIKUS DFS-1

11.475 GHz/H - Sat 1
Star Sat Radio 7.38 + 7.56 MHz

11.675 GHz/H - RTL Plus
RTL Radio (German) 7.02 + 7.20 MHz

12.591 GHz/V - Premiere
Klassik Radio 7.38 + 7.56 MHz

12.658 GHz/V - West 3
Radioropa 7.02 + 7.20 MHz
Non-stop music* 7.38 MHz
Non-stop music* 7.56 MHz

12.725 GHz/V - Bayern 3
Non-stop music** 7.70 MHz
Non-stop music** 7.80 MHz
Non-stop music** 7.90 MHz
Non-stop music** 8.00 MHz

EUTELSAT 1 F-4

10.972GHz/H - Tele 5
Los 40 Principales 7.02 + 7.20 MHz
Cadena SER 7.38 + 7.56 MHz
Radio Minuto 7.74 MHz

11.010 GHz/V - Antena Tres
Antena Tres 7.02 MHz
Cadena Cope 7.38 + 7.56 MHz
Linka FR Radio 7.56 MHz

11.554 GHz/V - Canal Plus Espagna
Spanish popstation* 7.02 + 7.20 MHz

EUTELSAT II F-2

11.149 GHz/H - TVE International
RNE Radio 1 7.38 MHz
RNE Radio 5 7.56 MHz

EUTELSAT II F-1

11.096 GHz/H - Satl
Voice of America 7.02 + 7.20 MHz
Star Sat Radio 7.38 + 7.56 MHz

11.639 GHz/H - Nordic Channel
The Voice 6.10 + 6.28 MHz

11.675 GHz/H - Filanet
Concert Radio 6.12 + 6.84 MHz
Radio 10 Gold 7.92 + 8.10 MHz

10.986 GHz/V - Super Channel
BBC World Service 7.38 MHz
BBC Languages 7.56 MHz

11.163 GHz/V - Usingen test card
Deutsche Welle (German) 7.02 MHz
Deutsche Welle Int. 7.20 MHz
Voice of America 7.38 + 7.56 MHz

11.617 GHz/V - Eurosport
Sky Radio 7.38 + 7.56 MHz

ASTRA 1A

11.229 GHz/V - RTL Plus
Deutsche Welle (German) 7.38 MHz
Deutsche Welle Int. 7.56 MHz

11.273 GHz/H - Lifestyle
Radio Caroline 7.56 MHz
Club Music 7.38 + 7.56 MHz
Independent Radio News 7.72 MHz

11.288 GHz/V - Sat 1
Deutschlandfunk 7.38 + 7.56 MHz
Deutschland Kultur 7.74 MHz
Deutschlandfunk Int. 7.92 MHz

11.318 GHz/V - Sky One
Sky Radio 7.38 + 7.56 MHz

11.332 GHz/H - Teleclub
Opus Radio 7.38 + 7.56 MHz

11.362 GHz/H - Filanet
Radio 10 Gold 7.92 + 8.10 MHz

11.391 GHz/H - RTL-4
RTL International (Eng) 7.38 + 7.56 MHz
RTL-4 Radio* 7.74 + 7.92 MHz

11.406 GHz/V - Pro-7
Star Sat Radio
Radioropa

7.38 + 7.56 MHz
7.74 + 7.92 MHz

11.421 GHz/H - MTV Europe
Power FM

7.38 + 7.56 MHz

The list scheduled below consists of
radiostations broadcasting DIGITALLY.

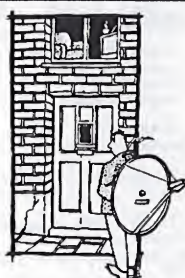
EUTELSAT II F-1 12.542 GHz

French digital Alcatel Radio
V-01/02 RFM
V-03/04 Sky Rock
V-05/06 Fun Radio
V-07/08 NRJ
V-09/10 Kiss FM
V-11/12 Europe No. 2
V-13/14 Metropolis
V-15/16 Nostalgie
V-17/18 France Inter
V-19/20 FIP

KOPERNIKUS 12.625 GHz

DSR-Digital Satellite Radio
Ch1 Bayern4
Ch2 S-2 Kultur
Ch3 Radio Bremen 2
Ch4 Hessischer Rundfunk
Ch5 NDR-3
Ch6 Star Sat Radio
Ch7 Deutschlandfunk
Ch8 WDR-3
Ch9 RIAS Berlin 1
Ch10 Europawelle Saar
Ch11 Antenne Bayern
Ch12 Klassik Radio
Ch13 Radio FFM
Ch14 Radioropa
Ch15 RTL Radio
Ch16 Not used yet.

**Radio Noordzee
Internationaal**



When a (*) is being used it
means that it relates to a
future station or a channel
on which no station ID's are
being heard but instead only
non-stop music.

(**) relates to four official German non-stop music channels
aimed at German companies. These 4 subcarriers are very narrow
and can be received on satellite sets capable of being
continuously tuned to audio-signals.

RADIO 10 GOLD

SATURDAY

07.00 Ton Frederiks
10.00 Ron Bisschop
13.00 Roderick Veelo
16.00 Ewald van Liempt
19.00 Saturday Night Party Night with...
19.00 Mark Berendsen
22.00 Edith de Doosch
01.00 Non-stop GOLD

SUNDAY

07.00 Ton Frederiks
10.00 Ron Bisschop
13.00 Roderick Veelo
16.00 Paul Lek with 'Top 40 Gold'
and 'P.O.Box 10' (requests)
19.00 Ladies Nightwith....
19.00 Petra Lugtenburg
22.00 Edith de Doosch
01.00 Non-stop GOLD

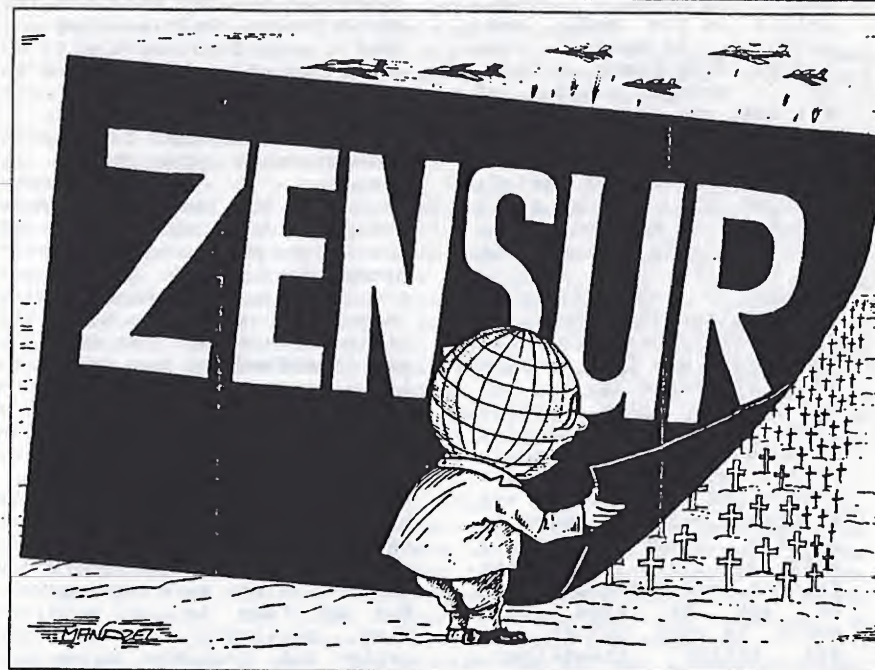
MONDAY- FRIDAY

07.00 Peter Rijsenbrij
10.00 Tom Mulder
13.00 Ger van den Brink
16.00 Hanno Dik
19.00 Zeno Groenewegen
22.00 Dave Donkervoort
01.00 Non-stop GOLD

Some latest news about Power FM which we
got from Herbert Visser who is newsreader
on Radio 10 Gold and Power FM. Easter Mon-
day April 1st Power FM introduced newsbul-
letins on the half hour (7 bulletins at
prime times). For the time being no deejays
will be to be heard, just non-stop hit music
and newsbroadcasts. The management wants to
keep Power FM and Radio 10 Gold strictly se-
parated which implies that no deejays can be
on both stations.

SPECTRUM RADIO ONLY ON 558

Since early April Spectrum Radio is only to be heard on
558 kHz. Spectrum Radio was allowed to use 990 kHz as long as
the station suffered interference from Radio Caroline. It's a
bit funny that 5 months after Caroline ceased broadcasts from the
Ross, Spectrum leaves 990 kHz.



RADIO PEACE IN ACTION

Radio Peace in Action was one of the most interesting appearances
in SW free radio land in the first months of 1991. The station
departs from all other SW free radio stations 'cause there are
political motives which underlie the station's broadcasts. Ra-
dio PiA was founded by an International group of people. So far a
number of broadcasts have been taking place, mainly within the 41
mb and as far as we know all via relay-stations. Sunday March 3rd
a good signal was to be heard on 7290 kHz. During the Easter
weekend the station was logged via two frequencies (not in
parallel): 6316 & 7384 kHz (via Mirage ?). To inform you a bit
about the motives etc. behind this rather unique project, we've
been translating their German info-sheet. Thanks to the person
sending us the info. Up till now the trms produced a very
satisfying number of listener's letters.

RADIO PEACE IN ACTION

Free Radio in Januar 1991: the War in the Persian Gulf - it doesn't happen; critic on the media censorship - it doesn't take place; "Give Peace A Chance" - wrong, instead of all that you can hear the boredom of the Top 40. And that is supposed to be the alternative form of radio? For us the medium radio means more as only the possibility to bring music "on the air".

Thanks to some friends, who spontaneously declared to support our projects, radio PiA was fast realised. Offcourse it is not our goal to bring information about the fighting actions of the combatants. We want to make our points of view clear and encourage our listeners to discuss these subjects with us, but also with friends and acquaintances, or, and we think this would be even better, to get active themselves. There are plenty of possibilities: own radioprogrammes, letters to the papers, protests against media censorship at radio- and televisionstations, participation in peace demonstrations, using posters in your window (listing e.g. all current wars in the world and asking why they are being fought), taxboycotts, asking questions at your local representatives,

But what good will that do?

From the viewpoint of the

individual certainly nothing measurable. But the showing of a critical attitude in public will have its effects. Only as 'silent majority' we will serve as "Joker" in the political poker game.

There are many wars on our planet, yesterday, today and probably also tomorrow.

The War at the Gulf has made us more clear than any other war, that we cannot stay silent anymore and do as if nothing is happening, even more since it is argued that this war is defending our (western) interests.

If we had already hoped that the worldpoliticians would be more reasonable after the deminishing East-West tensions, if we had already trusted that the escalation of violence would not be automatic anymore - we were wrong. For us this is a hard blow, resulting from too early and probably naive wishfull thinking.

And Radio PiA?

We'll see who has the longest breath. We can't promise regular transmissions, as wished by some listeners. We too are not a 150% "peace-fighter", we cannot and will not be representatives of all "radioactivists" and make the ultimate "Peace program".

Radio PiA is an international radioproject of women and men for all people. We want to give peace, compassion and social justice a chance and a voice!

RADIO 3

As you will discover the following feature was originally intended to be published as a part 1 & 2 in two different 'FRS Goes DX' issues. However: both parts have been put together as a continuing story.

Thursday October 12 the Dutch national popstation Radio 3 celebrated it's 25th birthday. Dutch media payed a lot of attention to this celebration. However, a lot of people weren't too happy with this part of the radio history. We'll start with a look at the history of the station. After that we'll lend our ears (read: eyes) to some people that were involved with the station during the last 25 years.

October 11 1965 a Dutch minister opened the new radiostation, at that time called "Hilversum 3". The station was created as a response to the very successful Radio Veronica. This offshore station started it's transmissions from an old German ship on April 19 1960. The popularity of the station forced the "official" broadcasting system to search for an answer.

The third national network was intended to supply young people with popmusic. However, when the station started it looked quite different. Five broadcasting societies put their programmes on the station, mainly filled with so-called light music. The first record played on the station was Fanfare Rock by Horst Fischer. Radio Veronica wasn't impressed at all by the new station. In these days Joost den Draaijer, Veronica-deejay, already tated Hilversum 3 wasn't able to create it's own image. 25 Years later this statement is still valid.

After one year, in October 1966, the TROS became a new broadcasting society in the Netherlands. This "club" emerged from the former "REM" island. This was an artificial structure in the Northsea, broadcasting radio and television programmes to the western part of Holland. This adventure only lasted for a short period, because the Dutch authorities boarded the station. A unpleasant habit they repeated twice during the eighties...

Back to Hilversum 3 now. That station was all but a popstation at that moment: folkmusic, classical music and musicals were played. With a little luck you could hear some "evergreens". Nevertheless the station attracted a serious amount of listeners, mostly because of the quality of the signal. Hilversum 3 was broadcasting on the superiour VHF, compared with the AM band.

In 1967 popularity of Veronica and H3 were even. In the meantime a second Northsea pirate beamed it's programmes to Holland: Radio Noordzee. These were the heydays of offshore radio in Holland. However: on August 31 1974 Veronica and Noordzee closed down, because of a law, coming into effect the other day. Only Caroline and Mi Amigo continued.

A lot of former offshore deejays could be heard on H3. Ofcourse the coverage of the station increased. There was no real alternative anymore. The year 1978 had been the highlight for the station. During the first three months of that year the station reached 22% of the listeners in average. In April 1990 yhis firgure only reached 9,3%....

One of the reasons for this dramatic drop has been a phenomenon called "zenderkleuring". When we literally translate this word it means "colouring of stations". The popularity of Hilversum 3 was too big in the eyes of the broadcasting societies. The two other networks attracted much fewer listeners. The coverage of Hilversum 1 and 2 had to be increased. Therefore each network should specialize. Before that each station was a collection of very different types of programmes.

Hilversum 3 officially changed into a music station. To make clear that it had to be a real radio station the name had been changed into Radio 3 in 1985.

The decline of the coverage of the station can't be declared by the "zenderkleuring" alone. There are other reasons. Maybe the most important one is the fact Radio 3 isn't a radiostation at all. It's a reservoir of a lot of broadcasting societies.

Everyday one or more societies put their programmes on the station. Everyday the station has another face. On Monday screaming, ego-tripping deejays come out of the radio. On Tuesday the programmes try to create a more intellectual image, therefore no deejays are to be heard on the station, but "presenters", like a cabaret performer and a singer. The next day a evangelistic and a very liberal society have to put their programmes on the air. Their programmes have nothing to do with popradio, and one can doubt whether they like to perform on Radio 3. On Thursday and Friday Radio 3 looks like a real popstation (whether you like it or not). On Saturday a christian society presents a.o. a sportsprogramme. The Sunday gives us programmes that look like those on Tuesday. Ofcourse this summary is far from complete and gives a personal view. But the problem is clear: Radio 3 is not a station but a lot of stations. Radio 3 has been marked by disunity and self-interest.

A quite recent "problem" for Radio 3 is the coming of commercial satellite radio. Stations like Radio 10, Sky Radio and the "late" Cable One have attracted listeners from the station. Especially Sky Radio is very popular with people in their twenties and thirties, higher educated and with a good income. Quite attractive for advertisers.

Some seventy (!) presenters try to run Radio 3, knowing that the station never will be a success. Next time we will look at the opinions of some of it's former and current presenters.

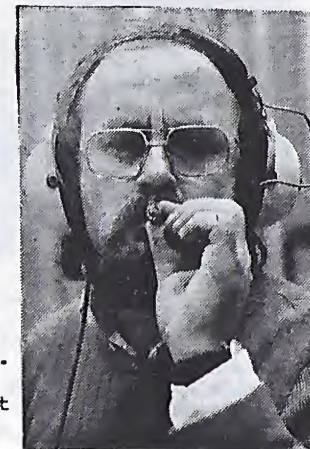
RADIO 3

25 JAAR

In this second part of this article we'll look at some reactions regarding the anniversary of Radio 3. In fact these are general comments from experienced radiopeople.

Joost de Draaijer (real name: Willem van Kooten) is very clear in statement: "All broadcasting societies have to disappear. And then there has to be a new beginning. With commercial radio, ofcourse. Radio 3 isn't a radio-station, it consists of ten different stations! It's a real disaster to have so much captains on one ship. And furthermore: everyday something else.

An anniversary for Radio 3? I prefer to call it a requiem mass! I won't be surprised Radio 3 will be degraded to a kind of local radio by the end of 1991." After this remark his involvement in the music industry mingles with his radioheart: "This crazy system has led towards the downfall of Dutch popmusic. I believe there are some 70 deejays working on Radio 3. I can run 10 station with such a number! They all have one tiny hour each week. During that hour they don't want to take any risks. Guess what they are doing? They are playing American and English top-records. The result has been that there isn't any airplay for domestic music. That's terrible, isn't it, with such a lot of talent!"



Theo Stokkink has been a Radio 3 deejay in the first years of the station. He underlines some of Den Draaijers's remarks. "Too much parties have been involved. At a certain moment we made contacts with people from different societies. Later the so-called "troetelschijf" (a kind of powerplay) emerged from these meetings. That all went very slowly and certainly not everybody was joining."

Another concern is the turnover of deejays. "This turnover has a very bad influence. In the States deejays are forty, fifty and older. In the Netherlands you have to quit when you are over thirty. That's real rubbish. Besides: popmusic itself is over thirty. And The Rolling Stones are in their fifties!" Stokkink isn't very positive about the new generation deejays: "They are so slick. Nobody's taking any risks. They all sound alike."

Jan Douwe Kroeske is one of these younger deejays. He isn't very upset by these criticisms. "I agree with people saying that. But I think that's the result of the split character of the station. You have to do your program only once a week. Nine different societies on one station is ridiculous, ofcourse. The station has to be reshuffled totally. There has to be some unity in the programming.

At this moment Radio 3 is the black sheep of the broadcasting family: we have the most listeners, but cost the lowest amount of money. Radio 3 isn't a unity. Anyone saying Radio 3 is a unity

has to attend a doctor. Radio 3 doesn't exist in reality...!"



Frits Spits is one of the older deejays still to be heard on the station. He started his radio-career in 1973. At this moment he is the only deejay to be heard daily on the station, between 6 and 7 in the evening. "Because of the anniversary of the station I intended to organize a little game. Even for such a minor thing I couldn't mobilize all the different societies. Now I have to be glad with the fact they all broadcast a certain jingle. This kind of "co-operation" is typical of the current situation." Frits Spits doesn't blame the deejays for the bad quality of the station. "Within the existing situation a reasonable product is made. But we have to co-operate very closely, to get a proper image."

His look at the future: "More competition isn't bad at all. But we have to get the means to compete. Luckily Sky and Radio 10 Gold are quite modest and moreover their quality isn't very high. But when a serious and aggressive competitor comes to the market I'll keep my fingers crossed.."

Also Ferry Maat (ex-RNI, -TROS, -Radio 10 and now back with TROS) isn't very happy with Radio 3. "Radio 3 won't ever be successful. That's because of our broadcasting-system. Radio 3 isn't a radio-station and far away from a popstation." However, Maat doesn't expect much competition from Sky Radio and Radio 10. "Though Sky is doing well financially he isn't very keen on the format: non-stop pop-songs. "People want to know where they have been listening to and they also want news and traffic-information. Sky has been replacing the deejay by far too much commercials."

Back to Radio 3. He thinks it will never turn better with this station. "Maybe, when the listening figures drop very dramatically and there are problems with attracting commercials, maybe then, by pressure from the outside, a real popstation would emerge, broadcasting 24 hours a day." But at the same time he knows this is only a dream...

(We have printed older pictures of the deejays. These photographs are taken in the early seventies, when Dutch radio wasn't very ill yet).



THE MARK STAFFORD INTERVIEW

Recently we had an opportunity to talk with FRS+ dj Mark Stafford about his views on free radio and his involvement with free radio in the past and present. In this and coming issues we will publish this interesting piece of 'oral history'.

Q: Can you compare the scene in the mid and late 70's and the early 80's with the current shortwave free radio scene?

S: I really have to talk about the period after 1977 onwards. It is difficult for me, because I think you get a bit cynical as you get to listen more often. Things that I may have liked in the old days I don't think I would necessarily like today, as I mentioned earlier about Skyport and Radio Corsair. I think when you're a new listener, just hearing a free radio station, something different, is enough. Now these days it's the programmes I'm listening to, not the fact if it is a new station. The current scene, English station wise, doesn't compare with that of the 70's and the early 80's. In those days you could tune in and you could hear eight English stations, all with their own transmitters, all not doing maybe one or two hours, but some of them even doing three or four hours. And having not one deejay, as many of the stations have nowadays, but maybe even four or five of them! There was a lot more going on in those days. And I must also say that people that were involved with free radio at that time, would probably have ended up on the radio. I can recollect a number of people that went on to make a career on the radio, like Stuart Clark. A lot of these people are probably working in Ireland now, or even on bigger things. I do have a theory that the shortwave scene changed in the early 80's, when Ireland came along. A lot of people would now be involved with shortwave radio if Ireland hadn't come along. And a lot of people are still involved in Ireland who would now otherwise be doing shortwave radio in England. So I think that the shortwave scene might change again when people are coming back from Ireland!

Q: What about the positive and negative aspects of the current shortwave scene?

S: It is very difficult to be positive about the current shortwave scene. But then again, I must press the fact that I'm probably more cynical now. So I look at the 'old past' through rose-coloured spectacles, which is probably what we always do in radio. Because we also say that the 60's were wonderful on offshore radio in England. And it was a lot of the time! But then again, some of the stations that we still think were wonderful weren't that good at all! Same applies for the 70's on the radio. I still remember RNI. But some of the programmes on RNI, specially the English programmes in the period from 1971 to 1974 were awful! Things like the Don Allen-show, with horrible Country & Western-records thrown in and that sort of things, or 1971 with the Dutch records on RNI. If you listen to that now: it's awful! And that's what I am trying to say: the same applies to shortwave. It is very hard to look at the old stuff in black and white. But I still say what is missing these days is people putting together programmes with a lot of different things in it, rather than coming on for two hours and fill it up with the first 20 records they can find! So that's the negative thing. I'm trying tactfully, without upsetting anyone, to think of some plusses for the current situation. I can think of a lot of minuses, but I really don't know what plusses I can think of for the current situation! In the past you would

have a network of stations, helping each other. And a good quality station would always be there at a set moment in time. So on one Sunday you would have a good station and the next Sunday another one on the same frequency. Things like the 6240-network. (to be continued)

The following article is a translation of an article appearing in the Dutch newspaper 'Het Algemeen Dagblad'. Although it was published May 31st 1990, we feel its contents is interesting and that's the reason of publishing it !!

In Holland local and county radio will be allowed to broadcast commercials from January 1st 1991 onwards.

A big issue in this small country is as always in these matters: will the newspapers suffer from such a move??? We will not discuss the validity of this question, 'though we want to bring under your attention that there hasn't been anybody who has been asking a similar question when supermarkets started to compete with the small shops. But I think that is merely a political issue.

Local radiostations and newspapers will be hunting after the same promotional budgets from the same greeneries, restaurants and barbers. Written media will be the losers. Many editors are asking themselves how much this loss will be.

Remarkable is, that this questions already has been answered in the Netherlands. In the town of Baarn, in the centre of the country, commercial pirate radiostations have been allowed for years. Radio Roulette and Digitaal FM were broadcasting several years, without any difficulties.

Both station mostly broadcasted music, 7 days a week, 24 hours a day. Digitaal played the hits, aiming at the younger part of the audience, while Roulette was more "middle of the road". The latter station was far the most popular. Thirty people were contributing to this station. A lot of commercials were aired and Roulette became rich.

Roulette's director, Dick de Man, doesn't say how big his turnover was: "I can't answer to questions about money or commercials". However, he gives an indication: "I would like to earn my daily bread with this work."

The station also was able to invest a lot of money. Roulette bought a powerful 100 Watt transmitter, hired a five-rooms apartment and rebuilt this to a studio, office, recordlibrary and canteen. Something other Dutch pirates only could dream of. All this has been possible in Baarn.

Roulette has been broadcasting for four years. In 1989 the authorities decided to make an end to it at last. They announced this properly, so Roulette was able to finish it's business in a smooth way.

Baarn has one local newspaper: "De Baarnsche Courant". This paper had to compete with the pirates all these years. The radiostations had the only goal to attract a big audience.

"Especially the last one and a half years Digitaal and Roulette have been acting quite aggressively on the market for advertisements", says manager Neefs from the local paper. "They really went to shops, asking if they wanted to advertise. They attracted mostly enterprises that operated on the youth market. They did their jobs well, because both stations could survive from the income from commercials. It was a very good business".

"However, we didn't suffer any losses at all by this situation.

Businesses advertising on these stations kept their

advertisements in our paper. When we recognised this fact decided to join in this development. We published the programme schedules of these stations."

This remarkable success for his paper is explained as follows: "I have the feeling that these stations were popular amongst young people in the first place. Maybe the situation would have been extremely different if these stations had been aiming at the whole population of Baarn. The pirates provided entertainment, we information."

Roulette's Dick de Man adds to this: "I noticed an advertiser preferred to advertise via both media. Radio-commercials offer the opportunity to enlarge the familiarity of a name, but not much more. In papers you can publish much more details. In this way sometimes we got commercials that pointed at an advertisement in the paper. That's a nice co-operation."

The Roulette Broadcasting Corporation is preparing it's come-back on a legal basis.

WORLD DX CLUB is the number one DX Club from England, now in its 28th year. Written entirely in English by DX-ers for DX-ers its monthly publication 'Contact' is the voice of the the WDXC. Samples copies cost 80p to UK addresses and 2 irc's Surface mail or 3 irc's air mail from: Mr. Arthur Ward, 17 Motapur Drive, Northampton NN2 6LY in England. Subscription rates:

2nd class inland mail (UK).....	14 months credit.....	£ 10.00
1st class inland mail (UK).....	13 months credit.....	£ 10.00
Overseas surface mail.....	14 months credit.....	£ 10.00
Europe by airmail.....	13 months credit.....	£ 10.00
Airmail outside Europe.....	12 months credit.....	£ 12.00

One of the latest editions of the 'Contact' publication runs to 24 pages (A-4 format) and contains the following features:

- * Membership renewals, rejoins, new members
- * Magazine section, news about WDXC
- * Religious festivals 1991/ Station Profile
- * Radio miscellany
- * Short Wave stations of over 40 years ago
- * Radio Bookshelf
- * Radio Voice of America, latest news from American organisations
- * Future Waves, review of International programmes to come
- * Making Contact, members letters
- * Short Wave Logbook
- * DX-Programmes including date & time of each programme
- * Station frequency schedules
- * DX News
- * QSL Report/ Medium Wave Scan

Put it on your calendar: Sunday May 19th 1991, FRS-Holland is ON! Between 10.00- 15.00 CEST with our full programme-schedule somewhere within the 48 mb. FRS-Holland, the quality one on short wave with Joop ter Zee, Mark Stafford, Johnny Best (or Stefan Kramer), Gerd, Peter Verbruggen and Bobby Speed.